CATALOG 1970-1971

Amherst College Bulletin

VOLUME 60 · NUMBER 2

NOVEMBER 1970

Digitized by the Internet Archive
in 2014

http://archive.org/details/catalog1970amhe

Amherst College Bulletin

VOLUME 60 · NUMBER 2

NOVEMBER 1970

CATALOG 1970-1971

DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the College is Amherst, Massachusetts, 01002. The telephone number for all departments is 542–2000 (Area Code 413).

General information about Amherst College is available upon request from the Office of the Secretary, Box 65, Amherst College, Amherst, Massachusetts 01002.

Specific inquiries on the following subjects should be addressed to the officers named below:

Admission of students	Eugene S. Wilson, *Dean of Admission*
Alumni matters	J. Alfred Guest, *Secretary of the Alumni Council*
Business matters	Minot Grose, *Business Manager*
Financial Aid	Dean Donald McM. Routh
Student affairs	Dean Robert A. Ward
Transcripts and records	Robert F. Grose, *Registrar*

The New England Association of Colleges and Secondary Schools accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

Amherst College Bulletin is published five times a year by Amherst College, Amherst, Massachusetts 01002. Second-class postage paid at Amherst, Massachuestts. *Volume 60, Number 2, November, 1970.*

Contents

CALENDAR

I THE CORPORATION 3
FACULTY 5
FELLOWS 24
ADMINISTRATION 28

II AMHERST COLLEGE 35
ADMISSION 41
REGULATIONS 45
TUITION AND FEES 49
FINANCIAL AID 51
DEGREE REQUIREMENTS 54
INTELLECTUAL RESPONSIBILITY 63

III COURSES OF INSTRUCTION 67

IV LECTURESHIPS 183
HONORS 184
FELLOWSHIPS 187
PRIZES AND AWARDS 193
DEGREES CONFERRED 203

V ENROLLMENT 217

VI THE SOCIETY OF THE ALUMNI 249
THE ALUMNI COUNCIL 250
THE ALUMNI ASSOCIATIONS 253

INDEX 259

1970-1972

JULY 1970

S	M	T	W	T	F	S
.	.	.	.	.	.	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	.
.	.	.	.	.	.	.

AUGUST

S	M	T	W	T	F	S
.	.	.	.	.	.	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	.	.	.	.	.

SEPTEMBER

S	M	T	W	T	F	S
.	.	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	.	.	.
.	.	.	.	.	.	.

OCTOBER

S	M	T	W	T	F	S
.	.	.	.	.	1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
.	.	.	.	.	.	.

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	.	.	.	.	.
.	.	.	.	.	.	.

DECEMBER

S	M	T	W	T	F	S
.	.	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	.	.
.	.	.	.	.	.	.

JANUARY 1971

S	M	T	W	T	F	S
.	.	.	.	.	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	.	.	.	.	.	.

FEBRUARY

S	M	T	W	T	F	S
.	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	.	.	.	.	.	.
.	.	.	.	.	.	.

MARCH

S	M	T	W	T	F	S
.	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	.	.	.
.	.	.	.	.	.	.

APRIL

S	M	T	W	T	F	S
.	.	.	.	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	.
.	.	.	.	.	.	.

MAY

S	M	T	W	T	F	S
.	.	.	.	.	.	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	.	.	.	.	.

JUNE

S	M	T	W	T	F	S
.	.	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	.	.	.
.	.	.	.	.	.	.

JULY

S	M	T	W	T	F	S
.	.	.	.	.	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	.	.	.	.	.	.

AUGUST

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	.	.	.	.

SEPTEMBER

S	M	T	W	T	F	S
.	.	.	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	.	.

OCTOBER

S	M	T	W	T	F	S
.	.	.	.	.	.	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	.	.	.	.	.	.

NOVEMBER

S	M	T	W	T	F	S
.	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	.	.	.	.

DECEMBER

S	M	T	W	T	F	S
.	.	.	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	.

JANUARY 1972

S	M	T	W	T	F	S
.	.	.	.	.	.	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	.	.	.	.	.

FEBRUARY

S	M	T	W	T	F	S
.	.	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	.	.	.	.

MARCH

S	M	T	W	T	F	S
.	.	.	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	.

APRIL

S	M	T	W	T	F	S
.	.	.	.	.	.	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	.	.	.	.	.	.

MAY

S	M	T	W	T	F	S
.	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	.	.	.

JUNE

S	M	T	W	T	F	S
.	.	.	.	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	.

College Calendar

1970

September 11, Friday. Freshman Orientation begins.

September 16, Wednesday. First semester classes begin, 8:00 A.M.

September 30, Wednesday. Last day for first semester course changes.

October 24, Saturday. Wesleyan athletic contests at Middletown. A holiday.

November 14, Saturday. Williams athletic contests at Amherst. A holiday.

November 24, Tuesday. Thanksgiving recess begins, 5:00 P.M.

November 30, Monday. Thanksgiving recess ends, 8:00 A.M.

December 19, Saturday. Christmas recess begins, 12:00 noon.

1971

January 4, Monday. Christmas recess ends, 8:00 A.M.

January 9, Saturday. Last day of first semester classes.

January 11–18, Monday–Monday. First semester examination period.

January 25, Monday. Beginning of second semester classes, 8:00 A.M.

February 8, Monday. Last day for second semester course changes.

March 19, Friday. Spring recess begins, 5:00 P.M.

April 5, Monday. Spring recess ends, 8:00 A.M.

May 15, Saturday. Last day of second semester classes.

May 17–24, Monday–Monday. Second semester examination period.

June 4, Friday. Commencement.

I

THE CORPORATION

FACULTY

FELLOWS

ADMINISTRATION

The Robert Frost Library

The Corporation

CHAIRMAN OF THE CORPORATION

Oliver Boutwell Merrill, LL.B., *New York, New York*

HONORARY CHAIRMAN OF THE CORPORATION AND TRUSTEE EMERITUS

John Jay McCloy, LL.B., *New York, New York*

PRESIDENT OF THE COLLEGE

Calvin Hastings Plimpton, M.D., MED.SC.D., *Amherst, Massachusetts*

TRUSTEES

Howard Oliver Colgan, Jr., LL.B., *New York, New York*
Kendall Bush DeBevoise, LL.B., *New York, New York*
Walter Gellhorn, LL.B., *New York, New York*
William Henry Hastie, S.J.D., *Philadelphia, Pennsylvania*
John Anthony Hill, LL.B., *New York, New York*
Harry William Knight, M.B.A., *Darien, Connecticut*
William Clarence Liedtke, Jr., L.L.B., *Houston Texas*
Francis Taylor Pearsons Plimpton, LL.B., *New York, New York*
William Willard Wirtz, LL.B., *Washington, D.C.*
George Leslie Cadigan,* B.A., *St. Louis, Missouri*
George Bickley Beitzel,* M.B.A., *Chappaqua, New York*
David Bicknell Truman,* PH.D., *South Hadley, Massachusetts*
George Latimer Shinn,* B.A., *Morristown, New Jersey*
George Edward Peterson,* B.A., *Cambridge, Massachusetts*
John Cushing Esty, Jr.,* M.A., *Watertown, Connecticut*

SECRETARY OF THE CORPORATION

James Alfred Guest, LL.B., *Amherst, Massachusetts*

TRUSTEES EMERITI

Frank Learoyd Boyden, B.A., *Deerfield, Massachusetts*
Julius Seelye Bixler, PH.D., *Jaffrey, New Hampshire*
Lewis Williams Douglas, B.A., *Phoenix, Arizona*
Arthur Lee Kinsolving, B.D., *Baltimore, Maryland*
Eustace Seligman, LL.B., *New York, New York*

*The terms of the Alumni Trustees expire as follows: George Leslie Cadigan, 1971; George Bickley Beitzel, 1972; David Bicknell Truman, 1973; George Latimer Shinn, 1974; George Edward Peterson, 1975; John C. Esty, Jr., 1976.

COMMITTEES OF THE CORPORATION*

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

Executive Committee. Messrs. Colgan, DeBevoise, Gellhorn, Hastie, Hill, Knight, Merrill (Chairman), Plimpton.

Budget and Finance Committee. Messrs. Beitzel (Chairman), DeBevoise, Hill, Seligman, Shinn, Wirtz.

Investment Committee. Messrs. Colgan, Hill, Knight, Plimpton, Shinn (Chairman).

Instruction Committee. Messrs. Beitzel, Cadigan, DeBevoise, Gellhorn, Hastie, Peterson, Plimpton, Seligman, Shinn, Truman (Chairman).

Buildings and Grounds Committee. Messrs. Beitzel, Cadigan, DeBevoise (Chairman), Hastie, Hill, Seligman.

Honorary Degrees Committee. Messrs. Gellhorn, Hastie (Chairman), Plimpton, Wirtz.

Folger Shakespeare Library Committee. Messrs. Colgan, Hastie, Plimpton (Chairman), Seligman, Shinn, Wirtz.

Committee on Fraternities and Student Life. Messrs. Beitzel, Cadigan, Colgan, DeBevoise, Gellhorn (Chairman), Hastie, Knight, Peterson, Shinn, Truman.

Compensation Committee. Messrs. Cadigan, Colgan, Gellhorn, Hill, Knight, (Chairman), Seligman, Truman.

Committee on Development. Messrs. Beitzel, Colgan (Chairman), Hill, Knight, Plimpton.

The corporate name of the College is
THE TRUSTEES OF AMHERST COLLEGE

*Final committee assignments are made at the fall meeting of the Corporation.

Faculty

Calvin Hastings Plimpton, *President of the College.* B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College; Litt.D. (1969) Michigan State University.

EMERITI

Charles Woolsey Cole, *President, Emeritus.* B.A. (1927) Amherst College; A.M. (1928), Ph.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; Litt.D. (1948) Hamilton College; Sc.D. (1948) Clarkson College; LL.D. (1964) Emerson College.

George William Bain, *Samuel A. Hitchcock Professor of Mineralogy and Geology, Emeritus.* B.Sc. (1921), M.Sc. (1923) McGill University; M.A. (1923), Ph.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

Theodore Baird, *Samuel Williston Professor of English, Emeritus.* B.A. (1921) Hobart College; M.A. (1922), Ph.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

Ralph Alonzo Beebe, *Massachusetts Professor of Chemistry, Emeritus.* B.A. (1920) Amherst College; Ph.D. (1923) Princeton University.

Bailey Lefevre Brown, *Professor of Mathematics, Emeritus.* B.A. (1924) Amherst College; M.A. (1925) Princeton University.

Paul Witherspoon Eckley, *Professor of Physical Education, Emeritus.* B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

Alfred Freeman Havighurst, *Professor of History, Emeritus.* B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; Ph.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

Gail Kennedy, *Henry C. Folger Professor of Philosophy, Emeritus.* B.A. (1922) University of Minnesota; Ph.D. (1928) Columbia University; M.A. (hon. 1948) Amherst College.

Michael Joseph Kennedy, *Associate Professor of Physical Education, Emeritus.*

George Wallace Kidder, *Stone Professor of Biology, Emeritus.* B.A. (1926) University of Oregon; M.A. (1929) University of California; Ph.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; Sc.D. (hon. 1950) Wesleyan University.

Sterling Power Lamprecht, *Emily C. Jordan Folger Professor of Philosophy, Emeritus.* B.A. (1911) Williams College; M.A. (1912) Harvard University; B.D. (1915) Union Theological Seminary; Ph.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College; Litt.D. (1957) Williams College.

Karl Loewenstein, *William Nelson Cromwell Professor of Jurisprudence and Political Science, Emeritus.* B.L. (1914), D.C.L. (1919) University of Munich; M.A. (hon. 1940) Amherst College.

Albert Ernest Lumley, *Professor of Physical Education.* B.A. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.

Newton Felch McKeon, *Professor of English & Director of Robert Frost Library, Emeritus.* B.A. (1926) Amherst College.

Allison Wilson Marsh, *Professor of Hygiene and Physical Education, Emeritus.* B.A. (1913) Amherst College; M.Ed. (1925) Harvard University; L.H.D. (1963) Amherst College.

Charles Hill Morgan, *Professor of Fine Arts on the William R. Mead Foundation, Emeritus.* B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

Harold Henry Plough, *Edward S. Harkness Professor of Biology, Emeritus.* B.A. (1913) Amherst College; M.A. (1915), Ph.D. (1917) Columbia University; Sc.D. (1963) Amherst College.

Charles Ensign Rogers, *Professor of Fine Arts and Dramatic Arts, Emeritus.* B.A. (1927) Albion College; M.A. (1931) Columbia University; M.A. (hon. 1961) Amherst College.

Steven Martin Rostas, *Professor of Physical Education, Emeritus.* B.A. (1921) Br. Eötuös, Budapest; M.Ed. (1942) University of Massachusetts; M.A. (hon. 1961) Amherst College.

Edward Dwight Salmon, *Winkley Professor of History, Emeritus.* B.S. (1917) University of Rochester; M.A. (1923), Ph.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.

Oscar Emile Schotté, *Rufus Tyler Lincoln Professor of Biology, Emeritus.* B.S. (1920), Sc.D. (1925) University of Geneva; M.A. (hon. 1944) Amherst College.

Theodore Soller, *Professor of Physics, Emeritus.* B.A. (1922) Oberlin College; M.A. (1924), Ph.D. (1931) University of Wisconsin, M.A. (hon. 1946) Amherst College.

Atherton Hall Sprague, *Professor of Mathematics, Emeritus.* B.A. (1920) Amherst College; M.A. (1923), Ph.D. (1941) Princeton University.

George Rogers Taylor, *George D. Olds Professor of Economics, Emeritus.* Ph.B. (1921), Ph.D. (1929) University of Chicago; M.A. (hon. 1939) Amherst College.

Willard Long Thorp, *Professor of Economics, Emeritus.* B.A. (1920) Amherst College; M.A. (1921) University of Michigan; Ph.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.

Charles Hansen Toll, *Professor of Philosophy and Psychology, Emeritus.* B.A. (1904) Hamilton College; M.A. (1905) Harvard University; Ph.D. (1909) University of Freiburg; M.A. (hon. 1934) Amherst College.

Frederick King Turgeon, *Professor of French, Emeritus.* B.A. (1923) Bowdoin College; M.A. (1924), Ph.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

Colston Estey Warne, *Professor of Economics, Emeritus.* B.A. (1920), M.A. (1921) Cornell University; Ph.D. (1925) University of Chicago; M.A. (hon. 1942) Amherst College.

Albert Elmer Wood, *Professor of Biology, Emeritus.* B.S. (1930) Princeton University; M.A. (1932), Ph.D. (1935) Columbia University; M.A. (hon. 1954) Amherst College.

PROFESSORS

Hugh George Jeffrey Aitken, *Professor of Economics.* B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; Ph.D. (1951) Harvard University; M.A. (hon. 1966) Amherst College.

Bruce Buzzell Benson, *Professor of Physics.* B.A. (1943) Amherst College; M.S. (1945), Ph.D. (1947) Yale University.

Norman Birnbaum, *Professor of Sociology.* B.A. (1947) Williams College; M.A. (1951) Harvard University; M.A. (1960) Oxford University; Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

Walter Leroy Boughton, *Stanley King Professor of Dramatic Arts and Director of Kirby Memorial Theater.* B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University; M.A. (hon. 1964) Amherst College.

Robert Hermann Breusch, *Walker Professor of Mathematics.* Ph.D. (1932) University of Feiburg; M.A. (hon. 1954) Amherst College.

Gerald Patrick Brophy,† *Professor of Geology.* B.A. (1951), M.A. (1953), Ph.D. (1954) Columbia University; M.A. (hon. 1968) Amherst College.

Lincoln Pierson Brower, *Professor of Biology.* B.A. (1953) Princeton University; Ph.D. (1957) Yale University; M.A. (hon. 1968) Amherst College.

Stephen Brown, *College Physician & Parmly Billings Professor of Hygiene.* B.A. (1928) Amherst College; M.D. (1932) Yale University.

John Arthur Cameron, *Professor of English.* B.A. (1952), M.A. (1957), Ph.D. (1963) Yale University; Diploma (1955) University of Edinburgh; M.A. (hon. 1970) Amherst College.

William Calvin Cannon, *Professor of Spanish.* B.A. (1952) Baylor University; M.A. (1953), Ph.D. (1958) Tulane University; M.A. (hon. 1969) Amherst College.

Jeffrey James Carre, *Professor of Romance Languages.* B.A. (1940) Bowdoin College; Ph.D. (1950) Columbia; M.A. (hon. 1964) Amherst College.

Ely Chinoy, *Visiting Professor of Sociology and Anthropology.* B.A. (1942) University of Newark; Ph.D. (1953) Columbia University.

Richard John Cody, *Professor of English and College Librarian.* B.A. (1952) University of London (University College, Southampton); M.A. (1958), Ph.D. (1961) University of Minnesota; M.A. (hon. 1968) Amherst College.

†On leave first semester 1970–71.

Arnold Collery,* *Professor of Economics.* B.A. (1950) University of Buffalo; Ph.D. (1958) Princeton University; M.A. (hon. 1964) Amherst College.

Henry Steele Commager, *Winthrop H. Smith Professor of American History.* Ph.B. (1923), M.A. (1924), Ph.D. (1928) University of Chicago; M.A. (hon. 1947) Cambridge University, (hon. 1952) Oxford University, (hon. 1957) Amherst College; Litt.D. (1958) Washington College, (1958) Ohio Wesleyan University, (1959) Monmouth College; Ed.D. (1960) Rhode Island College of Education; LL.D. (1960) Brandeis University, (1960) Michigan State University, (1962) Franklin and Marshall College; D.Litt. (1962) Cambridge University; L.H.D. (1962) University of Hartford, (1963) University of Puget Sound; Honorary Fellow, Peterhouse; D.C.L. (1964) Alfred University; LL.D. (1964) University of Pittsburgh; Litt.D. (1965) Marymount College; D.H.L. (1966) Carlton College; LL.D. (1967) Marietta College.

Haskell Robert Coplin,* *Professor of Psychology.* B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

George Armour Craig, *Professor of English.* B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1947) Harvard University.

Asa Davis, *Professor of History and Black Studies.* B.A. (1948) Wilberforce University; S.T.B. (1951), S.T.M. (1952), Ph.D. (1960) Harvard University.

Benjamin Haile DeMott, *Professor of English.* B.A. (1949) George Washington University; M.A. (1950), Ph.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

Colby Wilson Dempesy,† *Professor of Physics.* B.A. (1952) Oberlin College; M.A. (1955), Ph.D. (1957) Rice Institute; M.A. (hon. 1968) Amherst College.

Henry Frederick Dunbar, Jr., *Professor of Physical Education.* B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; Ph.D. (1950) Columbia University.

Joseph Epstein, *Professor of Philosophy.* B.S.S. (1939) City College of New York; Ph.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

Richard Martin Foose, *Professor of Geology.* B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; Ph.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.

*On leave 1970–71.
†On leave first semester 1970–71.

Reginald Foster French, *Professor of Romance Languages.* B.A. (1927) Dartmouth College; M.A. (1928), Ph.D. (1934) Harvard University; M.A. (hon. 1947) Amherst College.

Prosser Gifford,† *Professor of History and Dean of the Faculty.* B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University; M.A. (hon. 1969) Amherst College.

Elmo Giordanetti, *Professor of Romance Languages.* B.A. (1951) Bowdoin College; M.A. (1954), Ph.D. (1959) Princeton University; M.A. (hon. 1968) Amherst College.

Joel Ethan Gordon, *Professor of Physics.* B.A. (1952) Harvard University; Ph.D. (1958) University of California; M.A. (hon. 1969) Amherst College.

Theodore Phinney Greene, *Professor of History.* B.A. (1943) Amherst College; M.A. (1948) Columbia University.

John Burt Halsted,† *Professor of History.* B.A. (1949), M.A. (1949) Wesleyan University; Ph.D. (1954) Columbia University; M.A. (hon. 1966) Amherst College.

Edward Robert Harrison, *Professor, Five-College Department of Astronomy.* Fellow, Institute of Physics (England); Fellow, Royal Astronomical Society.

Hugh Dodge Hawkins, *Professor of History and American Studies.* B.A. (1950) DePauw University; Ph.D. (1954) Johns Hopkins University; M.A. (hon. 1969) Amherst College.

Roy Heath, *Visiting Professor of Psychology for Student Counselling.* B.A. (1939) Princeton University; M.A. (1947), Ph.D. (1952) University of Pennsylvania.

William Webster Heath, *Professor of English.* B.A. (1951) Amherst College; M.A. (1952) Columbia University; Ph.D. (1956) University of Wisconsin.

William Michael Hexter, *Professor of Biology.* B.A. (1949) University of California (Berkeley); M.A. (1951), Ph.D. (1953) University of California; M.A. (hon. 1966) Amherst College.

William Michael Irvine, *Professor, Five-College Department of Astronomy.* B.A. (1957) Pomona College; Ph.D. (1961) Harvard University.

†On leave first semester 1970–71.

Ernest Alfred Johnson, *Professor of Romance Languages.* B.A. (1939) Amherst College; M.A. (1940) University of Chicago; M.A. (1941), Ph.D. (1950) Harvard University.

George Anthony Kateb, *Professor of Political Science.* B.A. (1952), M.A. (1953), Ph.D. (1960) Columbia University; M.A. (hon. 1967) Amherst College.

William Elmer Kennick, *Professor of Philosophy.* B.A. (1945) Oberlin College; Ph.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.

Theodore Koester, *Professor of Psychology.* B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; Ph.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.

Heinz Kohler, *Professor of Economics.* B.A. (1956) Free University of Berlin; M.A. (1958), Ph.D. (1961) University of Michigan; M.A. (hon. 1969) Amherst College.

Allen Kropf, *Professor of Chemistry.* B.S. (1951) Queens College; Ph.D. (1954) University of Utah; M.A. (hon. 1969) Amherst College.

Earl Latham, *Joseph B. Eastman Professor of Political Science.* B.A. (1931), Ph.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

Edward Renton Leadbetter, *Professor of Biology.* B.S. (1955) Franklin and Marshall College; Ph.D. (1959) University of Texas; M.A. (hon. 1970) Amherst College.

Leo Marx, *Professor of English and American Studies.* B.S. (1941), Ph.D. (1949) Harvard University; M.A. (hon. 1959) Amherst College.

James Grenfell Mauldon, *Professor of Mathematics.* M.A. (1947) Oxford University; M.A. (hon. 1970) Amherst College.

Benjamin Franklin McCabe, *Professor of Physical Education.* B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

Ralph Cleland McGoun, Jr., *Professor of Dramatic Arts.* B.A. (1927), M.A. (1929) Amherst College.

Henry George Mishkin, *Professor of Music.* B.A. (1931) University of California; M.A. (1937), Ph.D. (1938) Harvard University; M.A. (hon. 1954) Amherst College.

John Andrew Moore,‡ *Class of 1880 Professor of the Classics.* B.A. (1938), M.A. (1940) Harvard University; M.A. (hon. 1958) Amherst College.

F(red) Bruce Morgan, *Professor of Religion.* B.S. (1939) Maryville College; Th.B. (1942), Th.D. (1958) Princeton Theological Seminary; M.A. (hon. 1963) Amherst College.

Lewis Seymour Mudge, *Professor of Philosophy & Religion.* B.A. (1951), B.D. (1955), Ph.D. (1961) Princeton University; B.A. (1954), M.A. (1958) Oxford University; M.A. (hon. 1970) Amherst College.

James Rodney Nelson, *Charles E. Merrill Professor of Economics.* B.A. (1936) Oberlin College; B.A. (1938) Oxford University; Ph.D. (1948) Harvard University; M.A. (hon. 1951) Amherst College.

James Elmore Ostendarp, *Professor of Physical Education.* B.S. (1952) Bucknell University; M.A. (1956) Columbia University; M.A. (hon. 1966) Amherst College.

John Pemberton, III,* *Professor of Religion.* B.A. (1948) Princeton University; B.D. (1952), Ph.D. (1958) Duke University; M.A. (hon. 1967) Amherst College.

Murray Bisbee Peppard, *Professor of German.* B.A. (1939) Amherst College; M.A. (1942), Ph.D. (1948) Yale University.

Donald Stevenson Pitkin,* *Professor of Anthropology.* B.A. (1947), M.A. (1950), Ph.D. (1954) Harvard University; M.A. (hon. 1966) Amherst College.

William Harrison Pritchard, *Professor of English.* B.A. (1953) Amherst College; M.A. (1956), Ph.D. (1960) Harvard University.

Charles Langner Robertson, *Visiting Professor of Political Science.* B.S. (1950), M.A. (1950) Northwestern University; Ph.D. (1959) Princeton University.

Robert Horton Romer, *Professor of Physics.* B.A. (1952) Amherst College; Ph.D. (1955) Princeton University.

Peter Isaac Rose, *Visiting Professor of Sociology and Anthropology.* A.B. (1954) Syracuse University; M.A. (1957), Ph.D. (1959) Cornell University.

*On leave 1970–71.
‡On leave second semester 1970-71.

Edwin Charles Rozwenc, *Dwight W. Morrow Professor of American History.* B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1941) Columbia University.

Anthony Scenna, *Professor of German.* B.A. (1927) Amherst College; M.A. (1929), Ph.D. (1937) Columbia University.

Carl Nelson Schmalz, Jr., *Professor of Fine Arts.* B.A. (1948), M.A. (1949), Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

Waltraut Carola Seitter, *Professor, Five-College Department of Astronomy.* M.A. (1955) Smith College; Ph.D. (1962) University of Bonn.

Marc Stamm Silver,* *Professor of Chemistry.* B.A. (1955) Harvard University; Ph.D. (1959) California Institute of Technology; M.A. (hon. 1969) Amherst College.

Richard Peter Stankiewicz, *Lecturer in Fine Arts.*

John Donovan Strong, *Professor, Five-College Department of Astronomy.* B.A. (1926) University of Kansas; Ph.D. (1930) University of Michigan.

Dudley Herbert Towne, *Professor of Physics.* B.S. (1947) Yale University; M.A. (1949), Ph.D. (1953) Harvard University; M.A. (hon. 1964) Amherst College.

Frank Anderson Trapp, *Professor of Fine Arts.* B.A. (1943) Carnegie Institute of Technology; M.A. (1947) University of Pittsburgh; Ph.D. (1951) Harvard University; M.A. (hon. 1963) Amherst College.

John William Ward, *Professor of History and American Studies.* A.B. (1947) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

Donald Owen White, *Professor of German.* B.A. (1953), M.A. (1956), Ph.D. (1963) Yale University; M.A. (hon. 1970) Amherst College.

Robert Byron Whitney, *George H. Corey Professor of Chemistry.* B.A. (1924), Ph.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.

Richard Eugene Wilson, *Professor of Physical Education.* B.A. (1934), Midland College; B.P.E. (1937), M.Ed. (1938) Springfield College; M.A. (hon. 1960) Amherst College.

*On leave 1970–71.

Henry Thomas Yost, Jr., *Professor of Biology.* B.A. (1947), Ph.D. (1951) The Johns Hopkins University; M.A. (hon. 1965) Amherst College.

Benjamin Munn Ziegler, *Bertrand Snell Professor of Political Science.* B.A. (1928) New York University; LL.B. (1931), M.A. (1933), Ph.D. (1935) Harvard University; M.A. (hon. 1952) Amherst College.

ASSOCIATE PROFESSORS

Thomas Travis Arny, *Associate Professor, Five-College Department of Astronomy.* B.A. (1961) Haverford College; Ph.D. (1965) University of Arizona.

Duane W. Bailey,* *Associate Professor of Mathematics.* B.A. (1957) Washington State University; M.A. (1959), Ph.D. (1961) University of Oregon.

Ralph Everett Beals,* *Associate Professor of Economics.* B.S. (1958) University of Kentucky; M.A. (1959) Northwestern University; Ph.D. (1969) Massachusetts Institute of Technology.

Edward Scudder Belt, *Associate Professor of Geology.* B.A. (1955) Williams College; M.A. (1957) Harvard University; Ph.D. (1963) Yale University.

Otis Cary,* *Associate Professor on leave for service at Doshisha University and Director of Amherst House, Doshisha University.* B.A. (1946) Amherst College; M.A. (1951) Yale University.

Frederic Lawrence Cheyette,* *Associate Professor of History.* A.B. (1953) Princeton University; M.A. (1954), Ph.D. (1959) Harvard University.

Howell Drescher Chickering, Jr., *Associate Professor of English.* B.A. (1959) Dartmouth College; Ph.D. (1965) Indiana University.

Johnetta Cole, *Visiting Associate Professor of Black Studies.* B.A. (1957) Oberlin College; M.A. (1959), Ph.D. (1967) Northwestern University.

Robert Eugene Cole, *Associate Professor of Economics.* B.S. (1954) Iowa State University; M.A. (1956) University of Connecticut; Ph.D. (1967) Northwestern University.

Peter Czap, Jr., *Associate Professor of History.* B.A. (1953) Rutgers University; Ph.D. (1959) Cornell University.

*On leave 1970–71.

James Quincy Denton,* *Associate Professor of Mathematics.* B.S. (1951) California Institute of Technology; M.S. (1958), Ph.D. (1962) University of Oregon.

Andrew Fetler, *Visiting Associate Professor of English.* B.S. (Humanities) (1959) Loyola University (Chicago); M.F.A. (1964) University of Iowa.

Richard David Fink, *Associate Professor of Chemistry.* A.B. (1958) Harvard University; Ph.D. (1962) Massachusetts Institute of Technology.

Robert Freeman Grose, *Associate Professor of Psychology and Registrar.* B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

Allen Guttmann, *Associate Professor of English.* B.A. (1953) University of Florida; M.A. (1956) Columbia University; Ph.D. (1961) University of Minnesota.

G(eorge) Richard Huguenin, *Associate Professor, Five-College Department of Astronomy.* B.S. (1959) Massachusetts Institute of Technology; Ph.D. (1964) Harvard University.

N(orman) Gordon Levin, Jr., *Associate Professor of American Studies.* B.A. (1956) Yale University; Ph.D. (1967) Harvard University.

Peter Marshall, *Associate Professor of Classics.* B.A. (1954) University College of Southwales and Monmouthshire; B.A. (1956) Wadham College, Oxford University.

J(ohn) Tracy Mehr, *Associate Professor of Physical Education.* B.A. (1950) Holy Cross College; M.B.A. (1967) Boston College.

Ray Arvil Moore, *Associate Professor of History.* B.A. (1958), M.A. (1960), Ph.D. (1965) University of Michigan.

Rose Richardson Olver, *Associate Professor of Psychology.* B.A. (1958) Swarthmore College; Ph.D. (1962) Radcliffe College.

John Anthony Petropulos, *Associate Professor of History.* B.A. (1951) Yale University; Ph.D. (1963) Harvard University.

John Ratté, *Associate Professor of History.* B.A. (1957), Ph.D. (1962) Harvard University.

*On leave 1970–71.

Daniel Nicholas Robinson, *Associate Professor of Psychology.* B.A. (1958) Colgate University; M.A. (1960) Hofstra University; Ph.D. (1965) City University of New York.

Edward Joseph Serues, *Associate Professor of Physical Education.* B.S. (1956) Boston University.

William Eugene Thurston, *Associate Professor of Physical Education.* B.S. (1957), M.S. (1962) University of Michigan.

Robert Campbell Townsend,* *Associate Professor of English.* B.A. (1957) Princeton University; B.A. (1959) Cambridge University; Ph.D. (1962) Harvard University.

ASSISTANT PROFESSORS

Hadley Philip Arkes, *Assistant Professor of Political Science.* B.A. (1962) University of Illinois; Ph.D. (1967) University of Chicago.

David Lee Armacost, *Assistant Professor of Mathematics.* B.A. (1965) Pomona College; M.S. (1966), Ph.D. (1969) Stanford University.

Lawrence Alan Babb, *Assistant Professor of Anthropology.* B.A. (1963) University of Michigan; M.A. (1965), Ph.D. (1969) University of Rochester.

Annette Barnes, *Assistant Professor of Humanities.* B.A. (1960) Brooklyn College; M.A. (1964) Harvard University; Ph.D. (1967) Brandeis University.

Gerald Weygandt Barnes, *Assistant Professor of Philosophy.* B.A. (1960) Cornell University; M.A. (1964), Ph.D. (1968) Harvard University.

James Henry Bierman, *Assistant Professor of Dramatic Arts.* B.A. (1964) Princeton University; Diploma from University of Paris (Sorbonne) (1966).

David Worthy Breneman, *Assistant Professor of Economics.* B.A. (1963) University of Colorado; Ph.D. (1970) University of California (Berkeley).

George Albert Brinton, *Assistant Professor of English.* B.A. (1964) Cornell University; M.A. (1966), Ph.D. (1969) University of Washington.

*On leave 1970–71.

James Anderson Chalmers,* *Assistant Professor of Economics.* B.A. (1963) University of Wyoming; Ph.D. (1969) University of Michigan.

Bruce Clayton Cogan, *Assistant Professor of Astronomy.* B.A. (1963) College of Wooster; M.S. (1964), Ph.D. (1967) University of Michigan.

Douglas Everett Crabtree, *Assistant Professor of Mathematics.* B.A. (1960) Bowdoin College; M.A. (1961) Harvard University; Ph.D. (1965) University of North Carolina.

Tom Ross Dennis, *Assistant Professor, Five-College Department of Astronomy.* A.B. (1963), M.A. (1964) University of Michigan; M.A. (1966), Ph.D. (1970) Princeton University.

William A. Dent, *Assistant Professor, Five-College Department of Astronomy.* B.S. (1960) Case Institute of Technology; M.S. (1962), Ph.D. (1965) University of Michigan.

Jan E. Dizard, *Assistant Professor of Sociology.* B.A. (1962) University of Minneosta (Duluth); M.A. (1964), Ph.D. (1967) University of Chicago.

Richard James Duffy,* *Assistant Professor of Physics.* B.S. (1958), M.S. (1960), Ph.D. (1964) Stevens Institute of Technology.

Charles Herbert Ellis, Jr., *Assistant Professor of Biology.* B.A. (1962) Swarthmore College; Ph.D. (1966) Johns Hopkins University.

Frederick Karl Errington, *Assistant Professor of Anthropology.* B.A. (1962) Wesleyan University; Ph.D. (1970) Cornell University.

Peter Alfred Fischer, *Assistant Professor of Russian.* B.A. (1956), M.A. (1957) Indiana University; Ph.D. (1967) Harvard University.

Stuart Gordon Fisher, *Assistant Professor of Biology.* B.S. (1965), M.A. (1967), Wake Forest College; Ph.D. (1970) Dartmouth College.

Stewart Gilman Flory, *Assistant Professor of Classics.* B.A. (1964), M.A. (1967), Ph.D. (1970) Yale University.

Walter Godchaux, III, *Assistant Professor of Biology.* B.S. (1960), Ph.D. (1965) Massachusetts Institute of Technology.

Peter John Gooding, *Assistant Professor of Physical Education.* D.L.C. (1964) Nottingham University; M.S. (1967) University of Massachusetts.

*On leave 1970–71.

Charles Robert Hadlock, *Assistant Professor of Mathematics.* B.S. (1967) Providence College; M.A. (1968), Ph.D. (1970) University of Illinois.

Courtney Parks Gordon, *Assistant Professor, Five-College Department of Astronomy.* B.A. (1961) Vassar College; M.A. (1963), Ph.D. (1967) University of Michigan.

Kurtiss Jay Gordon, *Assistant Professor, Five-College Department of Astronomy.* B.S. (1964) Antioch College; M.A. (1966), Ph.D. (1969) University of Michigan.

Richard L. Harkness, *Assistant Professor, Five-College Department of Astronomy.* B.A. (1960) Harvard College; Ph.D. (1966) Indiana University.

Theodore C. Jones, *Assistant Professor of Biology.* B.A. (1961) Amherst College; Ph.D. (1967) University of Washington.

Barry Campbell Keenan, *Visiting Assistant Professor of Social Sciences.* A.B. (1963) Yale University; M.A. (1965), Ph.D. (1969) Claremont Graduate School.

Conrad Alan Kent, *Assistant Professor of Spanish.* A.B. (1963) Mexico City College; M.A. (1964), Ph.D. (1969) Harvard University.

J(ohn) Stephen Kittleberger, *Assistant Professor of Chemistry.* A.B. (1961) Hamilton College; M.A. (1963), Ph.D. (1966) Princeton University.

Mel Anton Kuntz, *Assistant Professor of Geology.* B.A. (1961) Carleton College; M.A. (1964) Northwestern University; Ph.D. (1968) Stanford University.

Anne Lebeck, *Assistant Professor of Classics.* B.A. (1960), M.A. (1961), Ph.D. (1963) Columbia University.

Robert Lee, *Assistant Professor of Religion.* B.S. (1949) Oregon State University; B.D. (1959) Goshen Biblical Seminary.

Andrew Lees, *Assistant Professor of History.* B.A. (1963) Amherst College; M.A. (1964), Ph.D. (1969) Harvard University.

Henry Miller Littlefield, *Assistant Professor of Physical Education and Assistant Dean.* B.A. (1954), M.A. (1959), Ph.D. (1967) Columbia University.

Bruce Gordon McInnes,* *Assistant Professor of Music.* B.A. (1962) Dartmouth College; M. Mus. (1964) Yale University.

*On leave 1970–71.

Nancy Munn, *Visiting Assistant Professor of Anthropology.* B.A. (1951) University of Oklahoma; M.A. (1955) Indiana University; Ph.D. (1961) Australian National University.

Walter Eugene Nicholson, *Assistant Professor of Economics.* B.A. (1964) Williams College.

Peter O'Donnell Offenhartz, *Assistant Professor of Chemistry.* B.A. (1960) Swarthmore College; Ph.D. (1963) University of Pennsylvania.

Mark Oxman, *Assistant Professor of Fine Arts.* C.M.P.S. (1967) City and Guilds of London Art School.

Dale Earl Peterson, *Assistant Professor of English and Russian.* B.A. (1963) Harvard University; M.A. (1965) Yale University.

Richard Pini, *Assistant Professor of French.* Licence d'Anglais (1959), Diplome d'Etudes Superieures (1960) University of Paris (Sorbonne).

Donald Leroy Plank, *Assistant Professor of Mathematics.* B.S. (1960) Trinity College; M.A. (1963) Yale University; Ph.D. (1967) University of Rochester.

Andre Fred Ryerson, *Assistant Professor of French.* B.A. (1963) McGill University; Ph.D. (1968) Yale University.

Ellen Ryerson, *Assistant Professor of American Studies.* B.A. (1964) University of Wisconsin; M.A. (1966), Ph.D. (1970) Yale University.

G(eorge) Dann Sargent, *Assistant Professor of Chemistry.* A.B. (1957) Middlebury College; B.A. (1959) Merton College, Oxford University; M.A. (1963) Oxford University; M.A. (1963), Ph.D. (1964) Harvard University.

David Joe Schneider,* *Assistant Professor of Psychology.* B.A. (1962) Wabash College; Ph.D. (1966) Stanford University.

Thomas Arthur Sears, *Assistant Professor of Economics.* B.A. (1964) Rice University; M.A. (1969), Ph.D. (1970) Harvard University.

Jeffrey Franklin Sicha, *Assistant Professor of Philosophy.* B.A. (1962) Oberlin College; D. Phil. (1966) Oxford University.

Richard Allen Snellgrove, *Assistant Professor of Chemistry.* B.A. (1959) Amherst College; Ph.D. (1965) University of Wisconsin.

*On leave 1970–71.

David Robinson Sofield,* *Assistant Professor of English.* B.A. (1957) Princeton University; M.A. (1965) Stanford University.

Lewis Spratlan, *Assistant Professor of Music.* B.A. (1962), M.Mus. (1965) Yale University.

Norton Starr, *Assistant Professor of Mathematics.* B.A. (1958) Harvard College; Ph.D. (1964) Massachusetts Institute of Technology.

William Chase Taubman,* *Assistant Professor of Political Science.* B.A. (1962) Harvard College; M.A. (1965), Ph.D. (1969) Columbia University.

Joseph H. Taylor, Jr., *Assistant Professor, Five-College Department of Astronomy.* B.A. (1963) Haverford College; Ph.D. (1968) Harvard University.

L(orimer) James Terrill, *Assistant Professor of Physical Education.* B.A. (1955) Occidental College; M.A. (1964) San Jose State College.

Peter Alexis Valberg, *Assistant Professor of Physics.* A.B. (1964) Taylor University; M.A. (1966), Ph.D. (1969) Harvard University.

David Van Blerkom, *Assistant Professor, Five-College Department of Astronomy.* B.S. (1963) City College of New York; Ph.D. (1969) University of Colorado.

John Vournakis, *Visiting Assistant Professor of Chemistry.* B.A. (1961) Albion College; Ph.D. (1968) Cornell University.

H. Lee Watson, Jr., *Assistant Professor of Physics.* B.S. (1960) Northwestern University; M.S. (1962), Ph.D. (1964) University of California (San Diego).

William Arthur Weary, *Assistant Professor of History.* B.A. (1964) Amherst College; M.A. (1966), Ph.D. (1969) Yale University.

Carroll William Westfall, *Assistant Professor of Fine Arts.* B.A. (1961) University of California (Berkeley); M.A. (1963) University of Manchester, England; Ph.D. (1967) Columbia University.

Donald Franklin Wheelock, *Assistant Professor of Music.* A.B. (1962) Union College; M.Mus. (1966) Yale University.

Igor Zelljadt, *Visiting Assistant Professor of Russian.* M.A. (1954) Yale University.

William Frederick Zimmerman, *Assistant Professor of Biology.* B.A. (1960), Ph.D. (1966) Princeton University.

*On leave 1970–71.

INSTRUCTORS

David Allen Batchelder, *Visiting Instructor in Fine Arts.* B.A. (1965) University of New Hampshire; M.A. (1968) and M.F.A. (1968) University of Iowa.

Matthew Joseph Holdreith, *Instructor in English.* A.B. (1963) University of Michigan; M.A. (1966) Indiana University.

Robert Darryl Kuklis, *Instructor in Problems of Inquiry 2.* B.A. (1961) Amherst College; M.A.T. (1962) Harvard University.

Ernest Dewey May, *Instructor in Music.* A.B. (1964) Harvard College; M.F.A. (1968) Princeton University.

Nathaniel Reed, *Lecturer in American Studies and Assistant Dean.* B.A. (1955), Ph.D. (1964) Yale University.

Samuel Arndt Roberson, *Instructor in Fine Arts.* B.A. (1961), M.A. (1963) Williams College.

Myron Chester Rokoszak, *Instructor in Physical Education.* B.A. (1966) Amherst College.

Gordon Clark Schloming, *Instructor in Political Science.* B.A. (1966) Pomona College.

VISITOR

Aaron S. Posner, PH.D.
Professor, Cornell University Medical School.

ASSOCIATES

Philip Truman Ives, PH.D., *Biology*
Timothy Mason, PH.D., *Chemistry*
Denise Watkins, *French*

RESEARCH ASSOCIATES

Lenette Rogers Atkinson, PH.D., *Biology*
Fuat Bayrakceken, PH.D., *Chemistry*
Jane VanZandt Brower, PH.D., *Biology*
Virginia Dewey, PH.D., *Biology*
Phyllis King, *Physics*
Philip Ripa, *Physics*
Mai Stoddard, M.A., *Chemistry*

LANGUAGE ASSISTANTS

Jean-Michel Deprats, *French*
Bernard Dubreuil, *French*
Harald Kleinschmidt, *German*
Jean-Pascal Lafaille, *French*
Carlon Miranda Moreno, *Spanish*

FACULTY COMMITTEES

College Council. Dean Nathaniel Reed (Secretary), Professors Guttmann (Chairman), Hawkins, Kuntz and Romer. Bruce Harris '73, the president of House Management Committee, Paul Monroe '71, George Freeman '71, Mark G. Miliotis '72 and Julian Decyk '73.

Committee of Six. President Plimpton (Chairman, *ex officio*), Acting Dean F. Bruce Morgan (Secretary, *ex officio*, first semester), Dean Prosser Gifford (Secretary, *ex officio*, second semester), Professors Epstein, Greene, Hexter, Kateb, Levin and Ward.

Judicial Board. Professors Craig, Kennick (Chairman) and A. Ryerson. Daniel P. Leonard '71, Corey Lerner '71 and Richard C. Wailes '72.

Committee on Admission and Scholarships. President Plimpton (Chairman), Deans Routh, Wall and Wilson (Secretary), Professors J. Moore (first semester), Snellgrove, Starr and Weary. Michael D. Colglazier '70, Mayo-Smith Fellow; William R. Wheeler '71 and Jon Heller '72.

Committee on College Facilities. Acting Dean F. Bruce Morgan (Chairman, first semester), Dean Prosser Gifford (Chairman, second semester), Professors Carre, Collery, Grose and Trapp; Messrs. Grose (Secretary), Hertzfeld and Mueller.

Computer Committee. Professors Ellis, Grose, Lees, Mauldon, Nicholson and Offenhartz.

Committee on Educational Policy. Professors Birnbaum, W. Heath, Kennick, Ratté and Yost. Peter Vitousek '71, Kenneth Hoxsie '72 and Stephen Kessell '72.

Fellowship Committee. President Plimpton (Chairman), Acting Dean F. Bruce Morgan (Secretary, first semester), Deans Gifford (Secretary, second semester) and Routh, Professors Craig, Hexter, Kohler and Ziegler.

Committee on Field Study. Acting Dean F. Bruce Morgan (first semester), Dean Prosser Gifford (second semester) and Professors Gordon, R. Moore (Chairman) and Peterson.

Committee on Guidance and Counseling. Dean Ward (Chairman), Dr. Stephen Brown, Deans Littlefield, Reed and Routh, Professors R. Heath, Kuntz and Mishkin and a religious advisor.

Committee on Honorary Degrees. Professors Latham (Chairman), Towne and Ward.

Committee on Independent Study. Acting Dean F. Bruce Morgan (first semester), Dean Gifford (second semester), Professors DeMott, Epstein and Kohler (Chairman).

Committee on Intercollegiate Athletics. President Plimpton (Chairman), Acting Dean F. Bruce Morgan (first semester), Dean Gifford (second semester), Professors Brophy, McCabe, Mehr (Secretary), Thurston, Ziegler and Zimmerman.

Committee on Interdisciplinary and Special Studies. Acting Dean F. Bruce Morgan (first semester), Dean Gifford (second semester), Professors Craig (Chairman) and Offenhartz and one other to be elected in the fall.

Language Advisory Board. Dean Nathaniel Reed, Professors Carre and Towne.

Lecture Committee. Professors Bierman, Mudge (Chairman) and Robinson.

Library Committee. Professors Babb, Cody *(ex officio)*, Czap, Fischer, J. Moore (first semester), Pritchard and Starr; Mr. Charles Laugher *(ex officio)*. Thomas W. Blackwell '72 and Michael E. Washington '74.

Lucius R. Eastman Fund Committee. Professors Belt, Lees and Peppard (Chairman).

Committee on Priorities and Resources. President Plimpton, Acting Dean F. Bruce Morgan (first semester), Dean Prosser Gifford (second semester), Professors Gordon, Pritchard and Rozwenc (Chairman); Mr. Kurt Hertzfeld. Jay R. Franke '72, Clifford N. Hogan '71 and David M. Brown '73.

Fellows

William Lee Battema '70. *John Woodruff Simpson Fellow in Medicine.* University of Rochester.

Selden Ernest Biggs '70. *Amherst Memorial Fellow in Political Science.* Harvard University.

Eric James Bohman '70. *Forris Jewett Moore Fellow in American History.* Yale University.

David Alan Bookhout '70. *John Woodruff Simpson Fellow in Law.* Harvard Law School.

Theodore Warren Budlong '68. *Forris Jewett Moore Fellow in Philosophy.* Cornell University.

David Harry Cahan '70. *John Woodruff Simpson Fellow in Medicine.* University of Rochester.

Michael Ian Campbell '67. *Edward Poole Lay Fellow in Music.* Peabody Conservatory.

Peter Coulter Carafiol '70. *Amherst Memorial Fellow in English.* Claremont University.

Christopher Tapley Carlson '70. *John Woodruff Simpson Fellow in Law.* Harvard Law School.

Harold Dash '70. *George A. Plimpton Fellow in Medicine.* Harvard Medical School.

Bogoljub Davidovak '69. *Amherst Memorial Fellow in Architecture.* Stanford University.

Viktor Decyk '70. *Amherst Memorial Fellow in Physics.* University of California (Los Angeles).

Michael John DeLaurentis '69. *Roswell Dwight Hitchcock Memorial Fellow in Philosophy, Politics and Economics.* Corpus Christi College, Oxford University.

David Andrew Dorwart '70. *Edward Poole Lay Fellow in Voice.* Smith College.

Paul Joseph Esposito '69. *John Woodruff Simpson Fellow in Classics.* Brown University.

Jack Mark Fishaut '69. *John Woodruff Simpson Fellow in Medicine.* University of California (San Diego).

Daniel Lawrence Greenblatt '70. *Amherst Memorial Fellow in English.* University of Michigan.

Francis Lee Griffin '70. *John Woodruff Simpson Fellow in Medicine.* Harvard Medical School.

Barry Owen Hoke '70. *Amherst Memorial Fellow in Mathematics.* Harvard Graduate School of Education.

Thomas Francis Horan '70. *Amherst Memorial Fellow in Fine Arts.* University of Iowa.

William L. Johnson '69. *John Woodruff Simpson Fellow in Law.* Yale Law School.

Michael Matthew Kaplan '70. *Amherst Memorial Fellow in Mediterranean Studies.* Brandeis University.

John Thomas Kelly '70. *Amherst Memorial Fellow and Forris Jewett Moore Fellow in the History of Science.* Harvard University.

Michael Frederick Kraemer '69. *John Woodruff Simpson Fellow in Law.* University of Pennsylvania Law School.

Jack Gary Levin '69. *John Woodruff Simpson Fellow in Law.* Columbia University.

Steven Mark Lobel '70. *George A. Plimpton Fellow in English.* Yale University.

Jamson Lwebuga-Mukasa '70. *John Woodruff Simpson Fellow in Medicine.* University of California (San Diego).

Richard Levis McCormick '69. *Henry P. Field Fellow in History.* Yale University.

Douglas Cady Magee '69. *Benjamin Goodall Symon, Jr. Memorial Fellow in Religion.* Union Theological Seminary.

Kenneth Trerise Martin '70. *Sterling P. Lamprecht Fellow in Literae Humaniores: Greats.* Wadham College, Oxford University.

Donald John Mastronarde '69. *Forris Jewett Moore Fellow in Ancient History and Philosophy (Classics).* Wadham College, Oxford University.

Allen George Meek '70. *George A. Plimpton Fellow in Medicine.* Johns Hopkins University.

Paul Mintzer '70. *Amherst Memorial Fellow in Lingustics.* Cornell University.

Fred Ralph Myers '70. *Forris Jewett Moore Fellow in Philosophy.* Bryn Mawr College.

James Paul Parakilas '70. *Henry P. Field Fellow in English.* Yale University.

Jonathan deMille Prude '68. *Forris Jewett Moore Fellow in History.* Harvard University.

Brock Putnam, II '70. *Roland Wood Fellow in Drama.* University of California (Los Angeles).

Gordon Louis Radley '68. *John Woodruff Simpson Fellow in Law.*

Thomas Day Rainey '70. *George Stebbins Moses Memorial Fellow and Benjamin Goodall Symon, Jr. Memorial Fellow in Religion.* University of Chicago Divinity School.

Thomas Zachary Reicher '70. *Forris Jewett Moore Fellow in History.* University of California.

John Philip Reimherr '70. *John Woodruff Simpson Fellow in Medicine.* University of Pennsylvania.

Allen Fraleigh Roberts '68. *Amherst Memorial Fellow in Social Anthropology.* University of Chicago.

Peter Marc Rosenblum '70. *Charles B. Rugg Fellow in Law.* Harvard Law School.

Edward Turney Savage '68. *John Woodruff Simpson Fellow in Law.* Harvard University.

Stephen Clark Seward '70. *Amherst Memorial Fellow in Political Science.* University of Wisconsin.

William Winslow Shevlin '70. *The Edward Hitchcock Fellow in Education.* University of Massachusetts.

Lawrence Richard Sidman '70. *John Woodruff Simpson Fellow in Law.* Boston College.

Richard Verden Sims, III '70. *John Woodruff Simpson Fellow in Medicine* Harvard Medical School.

Jonathan Ralph Steinhart '69. *Amherst Memorial Fellow in English.* Harvard University.

Stephen Bruce Swigert '70. *John Woodruff Simpson Fellow in Law.* Harvard Law School.

John Arthur Taylor, III '70. *Amherst Memorial Fellow in English.* University of Massachusetts.

Charles Robert Tucker '70. *John Woodruff Simpson Fellow in Medicine and Medical Research.* University of Rochester.

Emory Wallace Waters '69. *Edward Poole Lay Fellow in Music.* New England Conservatory.

Alan Warren Wilken '69. *John Woodruff Simpson Fellow in Law.* University of California (Los Angeles).

Eric Winslow Wodlinger '70. *John Woodruff Simpson Fellow in Law.* Harvard Law School.

Officers of Administration

Calvin Hastings Plimpton, *President of the College.* B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College; Litt.D. (1969) Michigan State University.

Prosser Gifford,† *Dean of the Faculty.* B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University.

Eugene Smith Wilson, *Dean of Admission.* B.A. (1929) Amherst College.

Robert Appleby Ward, *Dean of Students.* B.A. (1957) Amherst College; Ed.M. (1966) Harvard University.

Edward Baker Wall, *Associate Dean of Admission.* B.A. (1956) Yale University.

Nathaniel Reed, *Assistant Dean.* B.A. (1955), Ph.D. (1964) Yale University.

Donald McMillan Routh, *Assistant Dean.* B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

Henry Miller Littlefield, *Assistant Dean.* B.A. (1954), M.A. (1959), Ph.D. (1967) Columbia University.

Richard M. O'Daniel, *Assistant Dean.* B.A. (1968) Lincoln University.

Michael Davis Colglazier, *Assistant to the Dean of Admission on the Mayo-Smith Teaching Grant.* B.A. (1970) Amherst College.

Robert Freeman Grose, *Registrar.* B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

Kurt Maximilian Hertzfeld, *Treasurer.* B.A. (1941), M.B.A. (1942) Harvard University; M.A. (hon. 1969) Amherst College.

Minot Grose, *Business Manager and Assistant Treasurer.* B.A. (1936) Amherst College.

†On leave first semester 1970–71.

George Burnham May, *Comptroller and Assistant Treasurer.* B.A. (1946) Amherst College.

Richard Edward Green, *Assistant Comptroller.* B.B.A. (1966) Western New England College.

Paul Jerome Plourde, *Director, Computer Center.* B.A. (1962) University of New Hampshire; M.A. (1967) Northwestern University.

David Frederick Howland, *Personnel Officer.* B.A. (1950) Hofstra University.

John Lewis Callahan, Jr., *Director of Development.* B.A. (1955) Dartmouth College; M.A. (hon. 1970) Amherst College.

James Alfred Guest, *Secretary of the Alumni Council.* B.A. (1933) Amherst College; LL.B. (1936) Yale University.

Timothy Woodhouse Armour, *Assistant to the Secretary of the Alumni Council.* B.A. (1970) Amherst College.

Horace Wilson Hewlett, *Secretary of the College and Director of Publications.* B.A. (1936) Amherst College; M.A. (1941) Yale University.

T(homas) David Yount, *Associate Secretary of the College.* B.A. (1956) Knox College; M.A. (1964) Catholic University of America.

Philip Chanin, *Assistant to the Secretary of the College under the Ives Washburn Grant.* B.A. (1970) Amherst College.

Otis Cary,* *Director of Amherst House, Doshisha University.* B.A. (1946) Amherst College; M.A. (1951) Yale University.

William August Mueller, *Director of Physical Plant and Services.* B.Aero.E. (1942), B.C.E. (1952) Rensselaer Polytechnic Institute.

Walter Charles Markert, *Assistant Director of Physical Plant and Services.* B.S. (1931) Springfield College.

William Maurice Golding, *Director of Valentine Hall.*

Benjamin Franklin McCabe, *Director of Intercollegiate Athletics.* B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

Haskell Robert Coplin,* *Student Counselor.* B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan.

Stephen Brown, *College Physician.* B.A. (1928) Amherst College; M.D. (1932) Yale University.

Sanford Bloomberg, *Associate College Physician.* B.A. (1950) University of Vermont; M.A. (1951) Columbia University; M.D. (1957) University of Vermont College of Medicine.

*On leave 1970–71.

AMHERST COLLEGE

Daniel Phillip Schwartz, *Associate College Physician.* B.A. (1949), M.D. (1952) University of Minnesota.

Thomas Clifford Wilson, *Associate College Physician.* B.A. (1950) West Virginia University; M.D. (1960) Medical College of Virginia.

MEAD ART BUILDING

Frank Anderson Trapp, PH.D., *Director*

Margaret Cecilia Toole, B.A., *Curator*

ADVISORY COMMITTEE ON ACQUISITIONS

Louisa Dresser, B.A.
Curator, Worcester Art Museum, Worcester, Massachusetts

Charles Hill Morgan, PH.D., L.H.D.
Professor Emeritus of Fine Arts on the William R. Mead Foundation, Amherst, Massachusetts

Daniel Catton Rich, PH.D.
Director, Worcester Art Museum, Worcester, Massachusetts

Charles Henry Sawyer, M.A., L.H.D.
Professor of Fine Arts, University of Michigan, Ann Arbor, Michigan

Calvin Hastings Plimpton, M.D., M.A., MED. SC.D.
President of the College, ex officio, Amherst, Massachusetts

Roy R. Neuberger
President, American Federation of Arts, New York, New York

Philip Hofer
Curator, Printing and Graphic Arts, Harvard University, Cambridge, Massachusetts

A. M. Adler
Director, Hirschl and Adler Galleries, New York, New York

THE ROBERT FROST LIBRARY

Richard John Cody, PH.D., *Librarian of the College*

Charles Theodore Laugher, PH.D., *Director of Robert Frost Library*

Claire Holst, B.A., M.S. in L.S., *Order Librarian*

Floyd Samuel Merritt, M.A., S.M., *Reference Librarian*

J. Richard Phillips, B.A., *Special Collections Librarian*

S. Joy Williams, B.A., M.A. in L.S., *Chief Cataloguer*

Gertrude Burgess Weir, B.A., S.M., *Head of Circulation*

Elinor Richards, B.A., A.M.L.S., *Senior Cataloguer*

Nancy Hathaway Buck, B.A., M.S. in L.S., *Science Librarian*

Hertha Banfield, *Serials Librarian*

Eleanor Freisem, B.A., M.S. in L.S., *Assistant Reference Librarian*

Carol Porter Baldwin, *Cataloguer*

Mary Elizabeth Beattie, B.A., M.L.S., *Cataloguer*

KIRBY MEMORIAL THEATER

Walter Leroy Boughton, M.F.A., *Director*

Ralph Cleland McGoun, Jr., M.A., *Technical Director*

THE PRATT MUSEUM OF GEOLOGY

Gerald Patrick Brophy, PH.D., *Curator*

Edward S. Belt, PH.D., *Associate Curator*

COMPUTER CENTER

Paul J. Plourde, B.A., M.A., *Director*

Clela B. Reeves, B.A., M.A., *Programmer/Analyst*

David Hornfischer, B.A., *Programmer/Analyst*

AMHERST COLLEGE WILDLIFE SANCTUARY

Walter Charles Markert, B.S., *Director*

MABEL LOOMIS TODD FOREST

Lincoln Pierson Brower, PH.D., *Curator*

RELIGIOUS ADVISORS

The Rev. James Clark, B.D.
Advisor to Protestant Students

The Rev. Richard E. Koenig, B.D., S.T.M.
Advisor to Protestant Students

The Rt. Rev. Monsig. David J. Power, B.A.
Advisor to Roman Catholic Students

The Rev. J. Joseph Quigley, B.S.
Advisor to Roman Catholic Students

Rabbi Yechiael Lander, B.A., B.H.L, M.A.
Advisor to Jewish Students

AMHERST COLLEGE

STUDENT HEALTH SERVICE

Mary Margaret Barkowski, R.N.
Supervisor of Student Health Office

Marjorie Ruth Crossman, R.N.
Assistant Supervisor of Student Health Office

Helen Bolt Stimson, R.N.
Supervisor of the Infirmary

LONG RANGE PLANNING COMMITTEE

George E. Peterson '63, *Chairman*

John L. Callahan, Jr., *Secretary*

George B. Beitzel '50

Benjamin DeMott

Richard D. Fink

George Kateb

Robert A. Ward '57

Martin S. Boxer '71

Roger H. Cummings '71

Jay A. Reich '70

FIVE-COLLEGES INCORPORATED

North Burn, PH.D., *Five-College Co-ordinator*
Professor Robert B. Whitney, *Amherst College Deputy*

II

AMHERST COLLEGE
ADMISSION
REGULATIONS
TUITION AND FEES
FINANCIAL AID
DEGREE REQUIREMENTS
INTELLECTUAL RESPONSIBILITY

James and Stearns Dormitories and Mead Art Building

Amherst College

AMHERST was founded in 1821 as an independent liberal arts college for "the education of indigent young men of piety and talents for the Christian ministry." It has never been connected, however, with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, bans tests of religion in choosing students and teachers.

Among Amherst's founders were Noah Webster, the lexicographer, and Samuel Fowler Dickinson, grandfather of the poet Emily. The College received its initial support from many residents of the town from which it takes its name. (The town, which was incorporated in 1759, was named for General Jeffery Amherst, then Commander-in-chief of British forces in the New World and protector of the colonies in the French and Indian War.) The College has enjoyed a long and close association with the community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson (Ray Stannard Baker), and Robert Frost.

The campus is situated on a hill adjacent to the central town common. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat, fertile land of the Connecticut River Valley and by ranges of hills to the south and east. Nearby are towns and places whose names recall another age in the life of New England: Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards' Church. A few miles away are three other institutions of higher learning: Smith and Mount Holyoke Colleges and the University of Massachusetts with which Amherst engages in a number of cooperative educational ventures. (These are described on page 38.) A fifth institution, Hampshire College, equidistant from the existing four from which it will receive advice and assistance, opened in the fall of 1970.

The College offers the bachelor of arts—and occasionally the master of arts—degree. It is concerned with study in the humanities, the social sciences, and the natural sciences and attempts to combine a broad education with knowledge of some field in depth. A new curriculum, adopted in the fall of 1966, introduces three one-semester interdepartmental courses (called Problems of Inquiry), and provides considerable flexibility in the selection of each student's program. Freshmen may select a major field of study on entrance; exceptionally qualified students may satisfy graduation requirements in three years; some may engage in independent study free of formal courses in their junior and senior years; honors work—the intensive consideration of a limited subject—is encouraged.

Whatever the form of academic experience—lecture course, seminar, conference, studio, laboratory, independent study at various levels—intellectual competence and awareness of problems and methods are the goal of the

Amherst program, rather than the direct preparation for some profession. The new curriculum enables students to arrange programs for their own educational needs within established requirements. To assist undergraduates in their course selections a faculty Board of Advisors, representing all academic departments, has been created. Members of this Board provide such counsel as is requested, but the ultimate responsibility for a thoughtful program of study rests with the individual student.

All students subscribe to an honor code which makes them responsible for the intellectual integrity of their work. This is described on page 63.

A statement of graduation requirements and programs of study begins on page 54. A more detailed description of the curriculum may be obtained from the Office of Admission.

The College's faculty is engaged in two primary activities: first, the education of undergraduates, and, second, research and writing. Its 162 members hold degrees from colleges and universities throughout this country and abroad. Classes range in size from a lecture course of 150 to several courses of only two students; about 80 percent of the classes and sections have twenty-five students or less.

Amherst is equipped with considerable physical resources: a library of some 428,000 volumes, science laboratories, theater, gymnasium, swimming pool, skating rink, squash and tennis courts, playing fields, a museum of fine arts and another of natural sciences, a central dining hall where all students eat, dormitories, language laboratory, and classroom buildings. There are a wildlife sanctuary and a forest for the study of ecology, an observatory and planetarium, a computer center, and varied equipment for specialized scientific research. At Amherst, and at its neighboring institutions, there are extensive offerings of lectures, concerts, plays, films, and many other events. The College's endowment is approximately $56 million (book value).

In the last few years Amherst has increased its enrollment from 1,000 to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College has constructed a new dining hall, five new dormitories, and the Robert Frost Library. New buildings for science and music were completed in 1968, and an auditorium and expanded athletic facilities are being planned.

Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education to improve his fitness and allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural athletics.

Undergraduates may also take part in a variety of other extra-curricular activities: journalism, publishing, broadcasting, music, dramatics, and a wide assortment of specialized interests. Religious groups, working independently or through the religious advisors, maintain a program of worship services, Bible study, community service projects, and other activities.

Many Amherst students join one of the twelve social fraternities at the end of their freshman year. These organizations provide housing for many of their members and are the focus of social life after the first year. Since 1946 the fraternities have selected their members without consideration of race or religion, and since 1951 every student who has wanted to join a fraternity has had the opportunity to do so.

As the campus has grown so has the College's involvement with the world. In 1821 most students came to Amherst from nearby towns intending to become ministers or missionaries. Facilities were simple; for three years South College was Amherst's only building, housing dormitory, library, and classrooms. Today students come from most of the fifty states and many foreign countries and bring with them backgrounds and interests far different from those of the "indigent young men of piety and talents" who preceded them nearly a century and a half ago.

Instruction still adheres to the liberal arts and sciences, but world forces are now felt in the classroom and out. Modern transportation and communication have changed what was once a sleepy little New England village into a growing center of activity and concern. Involvement in research or in social and economic issues takes some students to many parts of the country and abroad—as it does most of their teachers as well. Civil rights issues and national policies have an impact on the campus that would have been unimaginable even a generation ago. Graduates for the most part continue their formal education to become teachers, physicians, lawyers, and businessmen. At Amherst, hopefully, they will have only begun their education at "commencement," but will have developed attitudes and values that will encourage them to participate thoughtfully and generously in the service of mankind.

PRESIDENTS OF AMHERST COLLEGE

1821–1823	Rev. Zephaniah Swift Moore, D.D.
1823–1845	Rev. Heman Humphrey, D.D.
1845–1854	Rev. Edward Hitchcock, D.D., LL.D.
1854–1876	Rev. William Augustus Stearns, D.D., LL.D.
1876–1890	Rev. Julius Hawley Seelye, D.D., LL.D.
1890–1899	Merrill Edwards Gates, PH.D., LL.D., L.H.D.
1899–1912	Rev. George Harris, D.D., LL.D.
1912–1924	Alexander Meiklejohn, PH.D., LL.D.
1924–1927	George Daniel Olds, LL.D.
1927–1932	Arthur Stanley Pease, PH.D., LL.D.
1932–1946	Stanley King, LL.D.
1946–1960	Charles Woolsey Cole, PH.D., L.H.D., SC.D., LITT.D., LL.D.
1960–	Calvin Hastings Plimpton, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D.

AMHERST COLLEGE

FIVE COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College, Hampshire College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. See page 61 for further information.

The oldest cooperative venture is the Hampshire Inter-Library Center (HILC) located now in the Goodell Library at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the five libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the five institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in Asian-African studies; a Ph.D. program; a common calendar of events; a committee on transportation; a registry of part-time workers; and a Coordinator for cooperative projects.

NORTH BURN, PH.D., *Coordinator*

The Folger Shakespeare Library

THE FOLGER SHAKESPEARE LIBRARY in Washington, D.C., was established by the will of Henry Clay Folger, of the class of 1879. Mr. Folger's original collection, which remains the nucleus of the Library's holdings, emphasized Shakespeare, Shakespeare's contemporaries, and the history of Shakespeare production. Continuing acquisitions of books and manuscripts have increased the size of the collection many times over and broadened the scope of the Library to include every phase of Tudor and Stuart civilization. At present the Library is second only to the British Museum in its holdings of books printed in England between 1475 and 1640. Its holdings in the period from 1640 to 1715 in materials relating to the Continental Renaissance, and in such specialized areas as Renaissance musicology and drama are also extensive.

Facilities include reading room, stacks, offices, and service areas for such activities as ordering, cataloging, binding, and photoduplication. In addition, the Library has a public exhibit hall and a theatre embodying characteristics of an Elizabethan playhouse.

In his will, Mr. Folger spoke of an institution "for promoting and diffusing knowledge." The Library has sought continuously since its creation to enlarge its educational function. Its reading room is open to all qualified

scholars. Through its photoduplication department and its travelling exhibits it provides services for scholars and school groups outside of the Washington area. The Folger Fellowship program offers senior, short-term, and dissertation year fellowships to both foreign and American scholars. Folger seminars are offered annually in cooperation with the consortium universities of the Washington area and are also open to qualified Amherst students. A program of lectures, concerts, and cultural events is held at the Folger theatre and open to the general public without charge. A publication program further contributes to the Library's objective of "diffusing knowledge" of Shakespeare, of English culture, and of the Renaissance.

FOLGER LIBRARY OFFICERS

O. B. Hardison, Jr., PH.D., *Director*
Philip A. Knachel, M.S.L.S., PH.D., *Associate Director*
Richmond Crinkley, PH.D., *Director of Programs*
Richard J. Schoeck, M.A., PH.D., *Acting Director of Reserach Activities*
Dorothy E. Mason, B.A., M. A., *Reference Librarian*
Lilly C. Stone, B.A., *Chief Cataloguer*
Elaine Fowler, B.A., *Reading Room Supervisor*
Elizabeth Niemyer, B.A., M.A., *Acquisitions Librarian*

Doshisha University

DOSHISHA UNIVERSITY in Kyoto, Japan, was founded by Joseph Hardy Neesima, of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Amherst has maintained a continuing and close relationship with Doshisha. More than twenty-five Amherst graduates have taught there, and, since 1922, Amherst has maintained a resident instructor at the Japanese university. Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a memorial to Neesima. It houses some twenty Doshisha students and serves as a center for cultural exchange between students and faculty from East and West.

Since World War II, Amherst has maintained a member of its own faculty for permanent service at Doshisha as a Professor in Residence and Director of Amherst House. Recently he has been aided by an Amherst-Doshisha Fellow on a yearly assignment. In 1962 the College, through the further generosity of friends and alumni, was enabled to build a new guest house of modern Japanese design which affords quarters for the director, well-appointed guest suites, and dining facilities to enhance the possibilities of

exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto—for a thousand years the capital of Japan and still the center of traditional Japanese culture.

Admission

ADMISSION to Amherst College is competitive. The College attempts to select those applicants who seem qualified to benefit from the educational opportunities offered. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic achievements; (2) results of the College Entrance Examination Board scholastic aptitude and achievement tests; (3) the recommendation of the college counselor; (4) evidence of curiosity, industry, and resolution; (5) the character, health, and extra-curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

In compliance with the Fair Educational Practices Act of the Commonwealth of Massachusetts, the College requests that applicants *not* provide data on race, religion, and place of origin and that they *not* include a photograph. No student is denied admission to Amherst because of race, religion or place of origin.

HOW AND WHEN TO APPLY FOR ADMISSION

Applications should be filed in senior year between September 1 and March 1. Under special circumstances later applications may be considered. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form.

Beginning students usually enter only in September.

Financial Aid applicants should refer to pages 51–53.

The formal application should be accompanied by a check or money order for $15.00 made payable to the *Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts 01002.

INTERVIEW HOURS

The Admission Office is open weekdays from 8:30 A.M. until 12:00 noon and 1:30 P.M. until 4:00 P.M. and on Saturdays from 8:30 A.M. until 12:00

noon, but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an admission officer. Interviews are not required, however. It is advisable to write for an appointment with an admission officer if you plan to visit the College.

RECOMMENDED PREPARATION

The following minimum program for studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years (3 or 4 years of one preferred)
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

For graduation Amherst College requires competence (oral and written) in a foreign language, ancient or modern. For definition of competence see page 56. The phrase "satisfactory score" means 600 in the College Entrance Examination Board language tests.

In selecting a class, some preference is given to candidates who present the following programs in foreign language in the following order:

First preference: four years of one language;
Second preference: three years of one language;
Third preference: two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum. Amherst College recommends, where possible, that a student continue to study the language he begins in secondary school through completion of the college requirement.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

ADVANCED PLACEMENT

Advanced Placement is offered to accepted candidates who present evidence, through school records and test scores, that their previous learning experience in a subject will be duplicated in an introductory course at Amherst. Inasmuch as it is possible for exceptional students to graduate in three years, no credit is awarded for Advanced Placement. Each case will be considered individually on its own merit. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission*. For further information candidates should consult the Advanced Placement booklet in their secondary school guidance office.

COLLEGE BOARD TESTS

All applicants for admission are required to take *either* the Scholastic Aptitude Test (SAT) and any three Achievement Tests of the College Entrance Examination Board, *or* the American College Testing Program (ACT) no later than January of senior year for the former and no later than December of senior year for the latter. Inasmuch as the registration deadline for both the CEEB and ACT tests is approximately one month prior to the test date, applicants should arrange to take these examinations as soon as possible with the Secretary of the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, Arkansas, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washignton, Wyoming, Alaska, or Hawaii should register with the Secretary of the College Entrance Examination Board, Box 1025, Berkeley, California 94701. For information about ACT tests, write ACT, P.O. Box 168, Iowa City, Iowa 52240.

Amherst College will maintain the standard of comprehension in foreign languages as now set for students by the language departments and approved by the Faculty. This standard may be met by entering students who have made a score of 600 on the CEEB Foreign Language Achievement Test if they are studying an ancient language, or a similar score on the Composite Foreign Language Test if they are studying a modern language. The latter test is given only once a year in May.

Applicants in military service whose location makes examinations impossible are exempt from CEEB tests.

Regents Examinations. Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

AMHERST COLLEGE

ADMISSION AS A TRANSFER

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank or two years in a junior or community college.
3. He must present a statement of honorable dismissal.
4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given applicants from junior or community colleges who have made distinguished academic records.

Some financial aid is available for transfer students.

Correspondence concerning admission of transfers should be addressed to the Dean of Admission.

COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

Regulations

TERMS AND VACATIONS

The college year 1970–71 includes two regular semesters with fourteen weeks of classes each semester. In the fall semster there are a Thanksgiving recess of approximately five days and a Christmas vacation of two weeks; in the spring semester there is a vacation of two weeks.

All official college vacations and holidays are announced on the College Calendar appearing on page iv. of this catalog.

ATTENDANCE AT COLLEGE EXERCISES

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester, each instructor is free to state his policy with regard to absences in his course. Thereafter, he may take such action as he deems appropriate, or report to the Dean of Students the name of any student who disregards the regulations announced.

The Registrar will send to faculty members a list of students who have been absent for athletic trips or other extra-curricular activities, and a list of students who have been in the Infirmary. Students are asked to notify the Office of the Dean of Students if they have been delayed at home by illness or family emergencies. They are also requested to report any unusual or unexplained absence from the College on the part of any fellow student.

If a student has been attended at home by a physician other than one of the Student Health Office staff, he should, on the day of his return, report the absence to the Office of the Dean of Students and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at College will normally be attended at the Infirmary or the Student Health Office. It is assumed that all students not admitted to the Infirmary or excused by the attending physician are well enough to attend their regular classes.

The responsibility for any work missed due to an illness or other absence rests entirely upon the student.

A minimum of three hours a week of physical exercise is required of all freshmen and sophomores throughout the college year. More than six absences during a given semester will lead to a deficiency in meeting the requirement for that semester. Such a deficiency must be made up at the earliest possible time and no later than the end of the first semester of the junior year. A fee of $30.00 is charged for an extra semester.

STUDENT CONDUCT

It is the belief of Amherst College that its students want to take responsibility for setting, maintaining, and supporting moral and intellectual standards. Those standards are assumed to be ones which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

RECORDS AND REPORTS

Grades in courses are reported in three categories:

Honor Grades = A+, A, A−, B+, B, B−

Passing Grades = C+, C, C−, D.

Failing Grade = F.

Term averages and cumulative averages are reported on a 14-point scale rounded to the nearer whole number. The conversion equivalents are: A+ = 14, A = 13, A− = 12; B+ = 11, B = 10, B− = 9; C+ = 8, C = 7, C− = 6; D = 4; F = 1.

Grade reports for D and F grades only will be sent to students after the end of the seventh week of classes each semester. Parents of freshmen will also receive grade reports for D and F grades after the first seven weeks of each semester. Reports for all grades and averages will be sent at the end of each semester.

"Rank in class" will not be used, but transcripts and grade reports will be accompanied by a profile showing the distribution of cumulative averages for students of the same class level in the current and in the previous two years.

Student academic records are maintained by the Registrar's Office and are confidential; information is released only at the request of the student or of appropriate institutions. Students are advised that their records are made available to their secondary schools and to certain legitimate research agencies such as the National Registration Office. Partial transcripts are not issued; each transcript must include the student's complete record at Amherst College to date. An official transcript carries an authorized signature as well as the embossed seal of Amherst College.

Transcripts of credit earned at other institutions, which have been presented to Amherst College for admission or transfer of credit, become a part of the student's permanent record and are not issued, reissued or copied for distribution. Grades for courses that were transferred from other institu-

tions are not recorded; credit only is listed on the Amherst transcript. Transcripts for all academic work at other institutions of higher education should be requested directly from those institutions, including summer schools.

EXAMINATIONS

Examinations are held at the end of each semester and at intervals in the year in all courses. At the end of each semester, final grades are reported and the record for the semester is closed. No extension of time is allowed for intra-term examinations and incomplete laboratory work beyond the date of the last scheduled class period of the semester, unless exception is granted by the Dean of Students. No extension for essays, themes, theses, and reports will be given beyond the last day of classes of the semester.

A student who is prevented by illness from attending a semester examination may be granted the privilege of a special examination by the Dean of Students, who will arrange the date of the examination with the instructor. There are no second or make-up semester examinations, unless a student is prevented by illness from taking such an examination at the scheduled time.

No semester examination may be taken before the scheduled time. A semester examination may be postponed only by approval of the Dean of Students.

DELINQUENCIES

At the midpoint and end of each semester, the cases of all students whose work is unsatisfactory are brought before the Deans for consideration. Those who have clearly shown their unfitness for college work are dismissed from the College. Others whose records are unsatisfactory are placed on scholastic probation.

Students belonging to one or more of the following groups may not expect to continue at Amherst College:

a. Those who in any semester are failing in two or more courses. Withdrawal from a course while failing it shall count as a failure.*
b. Those who in any semester fail a course and receive an average of less than 7 in courses passed.*
c. Those who in any semester pass all courses but receive an average of less than 6.
d. Those who have been in Amherst three or more semesters and have an average of less than 6 in all courses taken at the College.
e. Those who have accumulated delinquencies in three or more courses during their college careers.
f. Those who have been on probation and have failed to meet the conditions of their probation.

* *c.f. Degree Requirements, page 54, section 1.*

A student will be classified no higher than a sophomore until he has fulfilled the foreign language requirement.

A student who has failed a semester course in Physical Education must make up this delinquency at the earliest possible opportunity. No student will be permitted to take two courses in Physical Education in a single semester.

The College requires that each student be able to swim one hundred yards before graduation. Students who have not satisfied this requirement by the end of the second semester of the sophomore year will be reported as deficient in the second semester course in Physical Education until this test is passed.

No student may take courses in a summer school to make up a delinquency incurred at Amherst College unless his summer school courses are approved in advance by the Dean of Students. Similarly, Amherst College credit will not be given for courses taken in summer school unless approval is secured in advance from the Dean of Students.

The College does not grant credit for summer school courses completed with a grade below C.

ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

A complete description of the regulations of Amherst College on such matters as Dormitories, Motor Vehicles, Student Health, Eligibility Requirements, and other areas of student life are contained in the Student Handbook.

Tuition and Fees

A CANDIDATE'S formal application for admission should be accompanied by a $15 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of $100 which will be credited in full on his first term bill.

Comprehensive fee (Tuition, Room, Board)	$3,600
Blue Cross-Blue Shield Student Health Plan (Optional)	40
	$3,640

The first semester bill in the amount of $1,800 is mailed to all students in August before College opens, and is due and payable on or before September 15, 1970. All college scholarships, Insured Tuition Plan payments and any other cash payments received prior to August 1st will appear as credits on this bill. The second semester bill totaling $1,800 is mailed approximately January 1, 1971 and is due and payable on or before January 15, 1971.

Student identification cards will be issued by the Comptroller's Office upon payment of the College bill. These cards must be obtained before course cards may be picked up.

The charge of $40.00 appears on the comprehensive bill for twelve months Accident and Sickness Insurance for the period September 1, 1970 through August 31, 1971. Details concerning the Student Health Office, the College Infirmary and the Blue Cross-Blue Shield Student Health Plan appear in the Amherst College Student Handbook.

Additional Fees

The Student Activities Fee of $60, determined by a special student referendum, allows the free distribution of student publications and contributes to the support of such enterprises as the Masquers, the Glee Club, the Film Society, and the radio station. The fee also supports a myriad of other activities decided upon by student interest. Although the fee is unofficial, all students benefit from its use. It should be paid separately to Amherst Student Activities at the beginning of the first semester.

Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education, a charge of $30 will be levied for each semester following sophomore year until the delinquency is removed.

Payment Plans

For those who wish the convenience of monthly payments, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write

to: The Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

Tuition Changes

Despite every effort to maintain College fees at the lowest possible level, it has been necessary to increase the tuition fee at Amherst in each of the past five years. Therefore, students and their parents are advised that such increases may well be necessary in subsequent years. The College attempts to notify students of tuition changes at least twelve months in advance. Financial aid awards will be based on the schedule of fees in effect during the year of the award. Students who may require financial aid as the result of tuition changes are eligible to make application whenever necessary.

The officer having general supervision of the collection of tuition and fees is the Comptroller.

Financial Aid

IN a sense, every student at Amherst College is on scholarship. Beginning in September, 1970, the comprehensive charge for tuition, room, board, and fees will be $3,600, yet the education of each student costs the College more than $8,000 per year. General endowment income, gifts, and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship aid to worthy students. These funds now amount to more than $4,500,000. Some, such as those designated for candidates for the ministry or those for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Several Amherst Alumni Associations also provide special regional scholarships to students from their areas; such awards are currently sponsored by the Connecticut, Michigan, New York City, Northern Ohio, St. Louis and Wisconsin Associations. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the General Motors Corporation, the Edwin Gould Foundation for Children, the Gilbert H. Grosvenor Memorial Fund, the Agnes M. Lindsay Trust, the Mayne Educational Fund, and the Charles C. Patrick Memorial Fund. The College also participates in the College Work-Study, the Educational Opportunity Grant, and the National Defense Student Loan programs of the federal government.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from $100 to $3,700.

The officer directly in charge of the administration of financial aid is Dean Routh.

FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid only in cases of demonstrated financial need, but a student's character and academic performance and promise are

important factors. A student's financial need is calculated by subtracting from his probable college-year expenses the amount which he and his family may reasonably be expected to supply. His college-year expenses include tuition, room, board, fees, transportation, a sum of $500 for books and personal expenses, and fraternity fees for upperclassmen. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The College assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year. Students who receive financial aid may not maintain personal motor vehicles in the Amherst and Hadley area without express permission from Dean Routh.

Financial aid awards are generally a combination of scholarship grant and self-help opportunities. Under normal circumstances, after allowance has been made for the family contribution and the student contribution from savings and summer employment, the initial $700 of the applicant's demonstrated need will be met with a combination of college-year employment and long-term, low-interest loan and he may expect to receive gift aid to cover the balance of his need. These loans require no payment of interest or principal before graduation from Amherst or graduate school, or until completion of military, Peace Corps or VISTA service, whichever is latest. Thereafter, the loans are repayable on a monthly or quarterly basis within a ten-year period at a moderate rate of simple interest. Part of a student's loan may be forgiven if he enters certain low-paying professions of service.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summertime opportunities or who find it difficult to undertake campus employment may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the overall performance of the student. Recipients of national scholarships and outside foundation awards are often not subject to these loan provisions.

APPLYING FOR FINANCIAL AID

Financial aid candidates should file applications for financial aid at the same time they file their applications for admission. Applications must be received by the Admission Office before February 15 to be considered. An application for financial aid requires the submission of two forms: a Parents' Confidential Statement filled out by the parents, and an Amherst College Financial Aid Application filled out by the candidate for admission. Candidates may obtain copies of the Parents' Confidential Statement from their secondary school guidance counselors. Parents should send the completed form to the College Scholarship Service which will process it and forward

the results to Amherst College for evaluation and final decision. Freshmen Financial Aid Applications may be obtained from the Office of the Dean of Admission by submitting the Preliminary Financial Aid Application Card which accompanies every application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 20. Renewal forms may be obtained in Dean Routh's Office and should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to a few students who require funds to meet personal emergencies or other needs for which financial aid funds may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical. The rate of interest is slightly higher and the repayment period shorter than for scholarship loans, but complete scholarship application procedure is not required. Further information about the Student Loan Fund may be obtained from Dean Routh.

ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College,* is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to Dean Routh.

Degree Requirements

BACHELOR OF ARTS

THE degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete thirty-two full semester courses and four years of residence,* except that a student who has dropped a course without penalty during his first year, or who has failed a course during his Freshman or Sophomore year, shall be allowed to graduate, provided he has been four years in residence at the College and has satisfactorily completed thirty-one full courses.
2. In freshman and sophomore years complete the three Problems of Inquiry courses;
3. Satisfy the distribution requirement (seven courses outside the major department) as specified below;
4. Satisfy the foreign language requirement as specified below;
5. Complete the requirements for a major in a department or a group of departments including a satisfactory performance in the comprehensive evaluation.
6. Complete certain prescribed work in physical education;
7. Attain a general average of 6 in the courses completed at Amherst and

*In exceptional cases, a student with twenty-four courses and three years of residence may apply for graduation if all other requirements have been met. A student seeking to graduate in three years must apply to the Secretary of the Committee of Six. The Committee of Six, if it endorses a student's application for a three-year degree, recommends to the Faculty for its approval that the student be granted the status of a candidate for the degree at the end of his third year.

a grade of at least 70 or C in every course completed at another institution for transfer credit to Amherst.

COURSE REQUIREMENTS

All students except Independent Scholars are required to elect four full courses each semester and may elect an additional half course. The election of a half course in addition to the normal program is at the discretion of the student and without special permission. A student may not elect more than one half course in any semester except by consent of the Dean of the Faculty and the Departments concerned. In such cases the student's program will be three full courses and two half courses. Half courses are not normally included in the 32-course requirement for graduation.

In exceptional cases a student may, with the permission of both his academic advisor and the Dean of Students, take five full courses for credit during a given semester. Such permission is normally granted only to students of demonstrated superior academic ability, responsibility and will.

A student may not add a course to his program after the fourteenth calendar day of the semester.

A freshman may, with the approval of the Dean of Students, drop one course during his first year without receiving a failing grade. He may drop the course either in the first or the second semester any time within the first eight weeks. Other exceptions to this rule shall be made only for medical reasons, or reasons of grave personal emergency, and shall be made only by the Dean of Students.

DISTRIBUTION REQUIREMENT

In order to provide students with a breadth of experience outside of their fields of major interest, each department has prepared one or more two-course sequences and one or more three-course sequences designed to give an introduction to its concepts, methods and achievements. Students are required to take one two-course sequence in a field outside the major but within the same division as the major, one two-course sequence in one of the divisions outside that of the major and one three-course sequence in the other division outside that of the major. Both two-course sequences and at least two courses of the three-course sequence must be completed by the end of the sophomore year.

In foreign languages, only courses at the literary level may be used to satisfy the distribution requirement in the humanities division. Problems of Inquiry do not satisfy any distribution requirement. Advanced placement in a course of study does not satisfy any part of the distribution requirement in that division.

Divisions are defined as follows:

Division I, Humanities, includes Classics, Dramatic Arts, English, Fine

Arts, French, German, Italian, Music, Philosophy, Religion, Russian and Spanish.

Division II, Social Sciences, includes American Studies, Anthropology, Black Studies, Economics, History, Legal Studies, Political Science, Psychology and Sociology.

Division III, Mathematics and Natural Sciences, includes Astronomy, Biology, Biophysics, Chemistry, Geology, Mathematics, Natural Science and Physics.

Subject to exceptional arrangements sanctioned by the department concerned, distribution requirements must be satisfied by courses taken at Amherst College.

LANGUAGE REQUIREMENT

1. At entrance a student must present a satisfactory score in the College Entrance Examination Board achievement test in a foreign language, and demonstrate ability to comprehend the spoken language as shown either by a satisfactory score in the listening comprehension test administered by the College Entrance Examination Board, or in an aural examination to be given to freshmen at the beginning of the college year.

2. A student who has not satisfied the standard of comprehension upon entrance will follow at least one course of foreign language at Amherst, normally during the first semester of his freshman year. The language selected will usually be a continuation of one studied in secondary school.

3. Any student who, after one semester course in a foreign language at the college level, has not met the Amherst standard of comprehension and who chooses not to continue the study of foreign language will discuss his plans with the Language Advisory Board. The student and the Board will examine the possible consequences for the student's own educational plans of a decision to continue further study of the language or of a decision to drop the language at that point. The decision whether to continue or not will then be made by the student himself.

THE MAJOR REQUIREMENT

A major normally consists of eight courses pursued under the direction of a department or special group. A major may begin in either the freshman or sophomore year and is normally declared by the beginning of the junior year. Students may change their major at any time provided that they will be able to complete the new program before graduation.

The major program can be devised in accordance with either of two plans:

DEPARTMENTAL MAJORS

A student may complete the eight-course requirement within one department. He must complete at least six courses within one department, however, in which case he may take the remaining two courses in related fields approved by the department.

INTERDEPARTMENTAL MAJORS

Students with special needs who desire to construct an interdepartmental major will submit a proposed program, preferably with the endorsement of one or more professors from each of the departments concerned, to the Committee on Interdisciplinary and Special Study. Such a program is normally composed of courses available in the existing departments and is not to be confused with the Independent Study program. If the CISS approves the proposal, it will appoint an ad hoc committee which will have all further responsibility for approving modifications in this program, selecting an advisor, administering an appropriate comprehensive examination, and making recommendations for graduation with honors.

A part of the major requirement in every department is an evaluation of the student's comprehension in his major field of study. This evaluation may be based on a special written examination or upon any other performance deemed appropriate by each department. The mode of the evaluation need not be the same for all the majors within a department, and, indeed, may be designed individually to test the skills each student has developed.

The evaluation should be completed by the seventh week of the second semester of the senior year. Any student whose comprehension is judged to be inadequate by his department will have two opportunities for re-evaluation: one not later than the last day of classes of the second semester of the senior year, and the other during the next college year.

DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude, magna cum laude,* or *summa cum laude,* according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 9 to be eligible to be considered for the degree *cum laude,* of 11 for the degree *magna cum laude,* and of 12 for the degree *summa cum laude.* (2) Candidates must receive the

recommendations for the degree *cum laude, magna cum laude,* or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be its practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean of the Faculty and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

The minimum average required for a student to be accepted by a department as a candidate for honors is determined by the department concerned.

Students in the Independent Study Program may become candidates for the degree with honors. Recommendations for such students will be made by the student's tutor together with those members of his committee who have joined in assigning him his comprehensive grade in the program.

INDEPENDENT STUDY

A limited number of students who elect to do so may participate in an independent study program, usually in the junior or senior years. Participants are chosen by the four-member Faculty Committee on Independent Study, which includes the Dean of the Faculty, after nomination for the program by a member of the Faculty. Independent Scholars are free to plan a personal program of study under the direction of a tutor, chosen by the student with the advice and consent of the Committee. The tutor provides the guidance and counsel necessary to help the student attain the educational objectives he has set for himself. The tutor and one or more other members of the Faculty familiar with the student's work will ultimately assign a comprehensive grade and provide a detailed, written evaluation of the student's performance which will become part of his formal record at Amherst College. Grades in such regular courses as the student may elect will be taken into account in assigning the comprehensive grade, and the student is eligible for a degree with honors, as well as all other awards and distinctions.

FIELD STUDY

Beginning with the academic year 1969–1970, the Faculty instituted a program of field study under which a student may pursue a course of study away from Amherst for either one or two semesters. A student is admitted to the program by the Faculty Committee on Field Study after approval of

his written proposal, and is assigned a Field Study Advisor chosen from the Faculty.

Upon being admitted to Field Study, a student becomes a candidate for the degree of Bachelor of Arts with Field Study, which is normally attained in four and one half or five years. During his first semester in residence at Amherst after his period of Field Study, a student must take a Special Topics course, normally with his Field Study Advisor, in which he draws on both his experience of Field Study and further investigation relating to it. A student may also pursue a related Special Topics course in the semester before he enters his program of Field Study.

A student pursuing a two-semester plan of Field Study will be allowed to continue after the first semester only upon providing evidence to the faculty Committee on Field Study that he is satisfactorily carrying out his program. No student shall begin his study in the field later than the first semester of his senior year.

A student pursuing Field Study shall maintain himself financially in the field, and during the period shall pay a Field Study fee to the College in lieu of tuition.

The transcript of a student who has undertaken Field Study shall include a short description and appraisal by his Field Advisor of the student's project and of the related Special Topics course.

COMMON STUDIES

In April, 1970, the Faculty voted to establish a two-year program of common studies designed to: (1) provide students with a broad base in diverse branches of modern liberal learning; (2) encourage students to discover, in a context richer than that usually available to them in secondary school, intellectual interests that may be of importance to them besides those already formed; and (3) offer students a common educational experience, one that will tend to promote the kind of conversation and joint intellectual exploration that a shared realm of discourse makes possible.

The Common Studies Program will be limited to thirty students from each freshman class. Should more than thirty freshmen apply for admission to the program, the staff, which is drawn from the departments represented in the program and which serves as academic advisers to students enrolled, will select thirty from among those applicants.

The requirements for the Common Studies Program are as follows:

1. All students in the Program must take the following courses in the semesters indicated:

FRESHMAN YEAR

First Semester: English 11, Philosophy 11, and Problems of Inquiry 3;
Second Semester: Political Science 11s, Economics 11s, and Problems of Inquiry 1s.

AMHERST COLLEGE

SOPHOMORE YEAR

First Semester: Psychology 11, Sociology 11, and Problems of Inquiry 2f; *Second Semester:* History 11s, and Fine Arts 11s or Music 11s.

The staff of the Program may, for a given year, substitute for, or offer as an alternative to, Philosophy 11, Religion 11; for History 11s, American Studies 12; for Sociology 11, Anthropology 11; for Fine Arts 11s, Music 11s or Dramatic Arts 11s.

2. In addition to the regular Degree Requirements, students in the Common Studies Program must satisfy, by the beginning of the junior year, the following requirements in foreign languages and mathematics:

Foreign Languages: The student must demonstrate his ability to use a foreign language (one other than his native language) in an intellectually substantive way. This requirement may be satisfied by: (1) satisfactorily completing a course in foreign literature, excluding those taught from translations; (2) certification by a member of the Faculty that the student has read, in connection with a course other than a foreign literature course, a significant amount of material in a foreign language; or (3) demonstrating to a member of the Faculty, chosen by the director of the Program, that he has read or written intellectually substantive material in a foreign language.

Mathematics: The student must demonstrate that he possesses at least an elementary knowledge of college-level mathematics. This requirement may be satisfied by: (1) successfully completing any course offered by the Department of Mathematics; or (2) by demonstrating to a member of the Department of Mathematics, chosen by the director of the Program, that he possesses at least an elementary knowledge of the calculus.

3. To guarantee that students in the Common Studies Program will have some experience in the natural sciences at the college level, these students will *not* be permitted to satisfy the regular distribution requirement in science by taking courses in mathematics.

4. During the freshman and sophomore years, students in the Common Studies Program will participate in a non-credit Colloquium with those members of the Faculty who constitute the staff of the Program. The Colloquium will meet three or four times a semester to discuss topics and problems of interest to participants. Students enrolled in the Program will have a voice in defining these topics and problems.

No student who elects and is accepted into the Common Studies Program is required to remain in it for the full two years, or even one year. He may withdraw without penalty at any time. It is an elective but prescribed program of studies open to those who may find in its structured format an attractive and challenging way—obviously just one among many possible ways—to further their educational aims.

ADVANCED PLACEMENT & EARLY GRADUATION

In cases where a student's Advanced Placement curriculum, scores, and academic record indicate that an Amherst course will be largely repetitive, a student may apply for an advanced course. Approval for the advanced course is granted after a conference with the professor who will teach the higher-level offering. Amherst credit is not granted for Advanced Placement work, but it is possible for a student to graduate after three years and the completion of 24 Amherst courses (see footnote, page 54).

Questions about Advanced Placement should be directed to the Dean of Admission. For further information, candidates should consult the Advanced Placement booklet in their secondary school guidance office.

FIVE-COLLEGE COURSES

Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts have for some time combined their academic activities in selected areas for the purpose of extending and enriching their collective educational resources. Certain specialized courses not ordinarily available at the undergraduate level are operated jointly and open to all. In addition, a student in good standing at any of the four institutions may take a course, without cost to the student, at any of the other three if the course is significantly different from any offered on his own campus and he has the necessary qualifications.

The course must have a bearing on the educational plan arranged by the student and his adviser. Approvals of the student's adviser and the Academic Dean of the College (Provost at the University) at the home institution are required. Permission of the instructor is required for students from other campuses if permission is required for students of the institution at which the course is offered.

Students should apply for interchange courses at least six weeks prior to the beginning of the semester since they may find some courses already filled after that time. Free bus transportation among the four institutions is available for interchange students.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

MASTER OF ARTS

The degree of Master of Arts is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and

who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean of the Faculty.

REQUIREMENTS

To become a candidate for the Master of Arts degree, students are expected to have had at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence at Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

COOPERATIVE DOCTOR OF PHILOSOPHY

A COOPERATIVE Doctor of Philosophy program has been established by Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much—and in a few exceptional cases even all—of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of the Faculty of Amherst College and by the Amherst Faculty Committee of Six.

Faculty Statement on Intellectual Responsibility

A Statement of Intellectual Responsibility
Among Students at Amherst College:

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

Following the dissolution of the Student Council, which formerly maintained the honor system at Amherst, the Faculty voted (3-17-70) "to expand the powers of the Judicial Board to include the administration of the Statement on Intellectual Responsibility. The words "Judicial Board" have therefore been substituted for the words "Student Council" in the text of the following articles.

ARTICLE I

This statement will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the course enrollment cards for every course; it must be signed before enrollment can be considered:

> "I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.
>
> .....(signed)"

ARTICLE II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

ARTICLE III

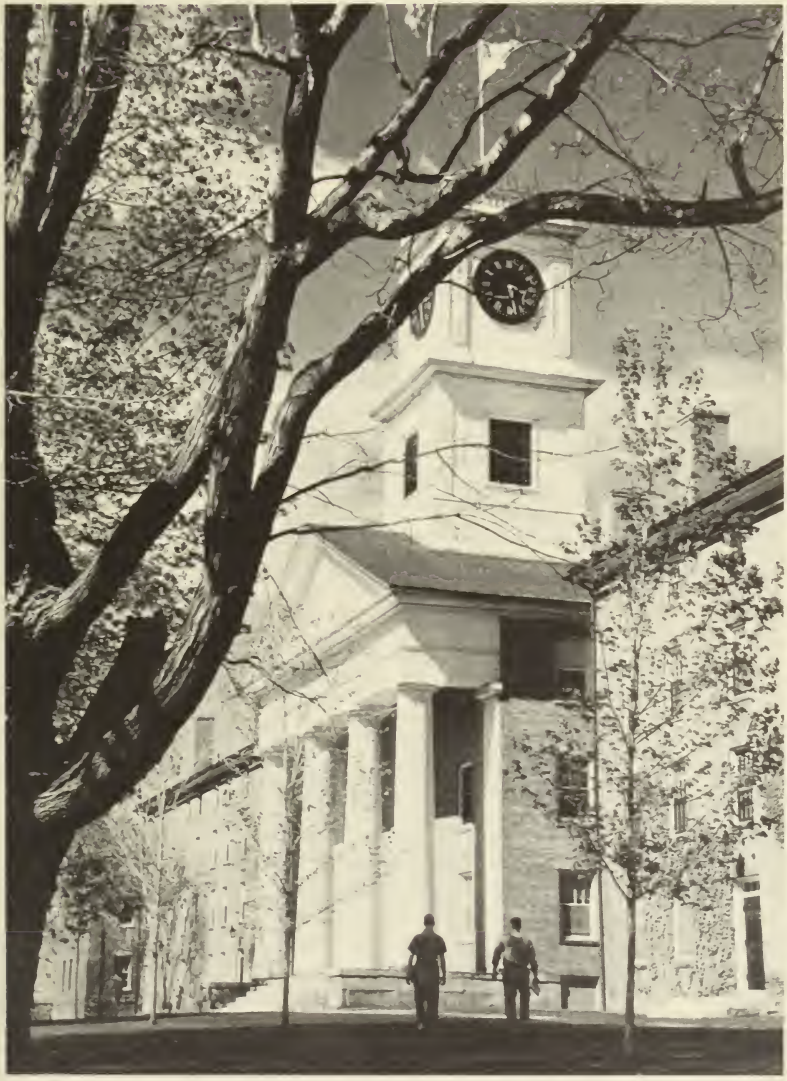
In instances of purported or ascertained violation of the Statement of Intellectual Responsibility, the Judicial Board will, after proper scrutiny and deliberation, recommend the course of action to be followed, the recommendation being subject to the approval of the College Council and of the President of the College.

ARTICLE IV

The Judicial Board shall make provision for explaining the Statement of Intellectual Responsibility to incoming freshmen and to new members of the Faculty, and for publicizing and interpreting the Statement to the student body during the year. The Judicial Board will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year the Board shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.

III

COURSES OF INSTRUCTION



Johnson Chapel

Courses of Instruction

COURSES are open to all undergraduates, subject only to the restrictions specified in the individual descriptions. Courses listed as elective for a particular class may be elected by members of that class and higher classes. In general all courses numbered 1 to 9 are introductory language courses. Introductory courses in other areas are numbered 11 to 20, senior honors courses, usually open only to candidates for the degree with honors, are numbered 77 and 78, and special topics courses are numbered 97 and 98. All courses, unless otherwise marked, are full courses. The course numbers of double courses and half courses are preceded by D or H. All odd-numbered courses are offered in the first semester, unless followed by the designation s, and all even-numbered courses are offered in the second semester unless followed by the designation f.

SPECIAL TOPICS COURSES

Departments may offer a semester or a year course known as Special Topics in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. All students must obtain final approval of the Department before registration. Two Special Topics courses may not be taken concurrently.

PROBLEMS OF INQUIRY

Each of the three Problems of Inquiry courses is a one-semester interdisciplinary introduction to the outlook and methods of one of the major divisions of the liberal arts program. Students must normally elect these three courses within their first four semesters and no more than one of these courses may be elected in a single semester. Students shall be required to take all three Problems of Inquiry courses. Exemption from an Inquiry course may be made only by the Chairman of the course, in consultation with his staff. A student exempted from one version of an Inquiry course will not be required to take a later version of the course with different expectations for exemption.

1. Humanities. An attempt to discover and explore some of the possibilities for discourse in the humanities by pursuing conversation about a particular subject of general interest. The subject for 1970–71 will be: Eros, Civilization and the Inner Life. Materials for discussion will be drawn from the culture at large, and will include a certain amount of the students' own writing. Three meetings a week, mainly in discussion sections.

Elective for Freshmen. First semester. Professors A. Barnes, Bierman, Cameron (Chairman), Cody, Flory, French, Kennick, J. Moore, Peterson, Pritchard, and White; and Mr. Holdreith.

1s. Humanities. Same description as Problems of Inquiry 1. Three meetings a week, mainly in discussion sections.

Elective for Freshmen. Second semester. Professors A. Barnes, Cameron (Chairman), French, Greene, Guttmann, Pini, Schmalz, and Wheelock; President Plimpton; and Mr. Holdreith.

2f. The Social Sciences. An examination of the ways in which the various social sciences seek to understand social phenomena. The subject for 1970–71 will be modernization in China and India. The course will consider a variety of social science perspectives on the problem of modernization in China and India. The class will meet as a whole for lectures and in sections for seminar discussions.

Elective for Freshmen and Sophomores. First semester. Professors Aitken, R. Cole, Dizard, Kateb, Levin (Chairman), R. Moore, Petropulos, E. Ryerson, Schloming, and Ward; and Messrs. Kuklis and Reed.

2. The Social Sciences. Same description as Problems of Inquiry 2f.

Elective for Freshmen and Sophomores. Second semester. Professors Arkes, Babb, R. Cole, Hawkins, Keenan, Lee, Levin (Chairman), B. Morgan, Nicholson, Ratté, and E. Ryerson; and Mr. Kuklis.

3. The Natural Sciences. A study of some aspects of scientific methodology and philosophy. The development and evolution of our conceptions of the nature of light and visual perception will exemplify this study. The influence of science upon man's view of himself and its impact on society will be discussed.

Active student participation is encouraged as much as possible in discussing these ideas in small group seminars.

This course should not be selected by students who elect to major in the sciences (exclusive of Mathematics) or students electing a Pre-Medical program.

Elective for Freshmen and Sophomores. First semester. Professors Fink, Kropf (Chairman), Offenhartz, Robinson, Towne, Valberg, and Yost.

3s. The Natural Sciences. Same descriptions as Problems of Inquiry 3.

Second semester. Professors Fink, Kropf (Chairman), Romer, Sargent, Valberg, Yost, and Zimmerman.

AMERICAN STUDIES

Professors Greene, Hawkins, Marx, B. Morgan, Rozwenc and Ward; Associate Professors Guttmann (Chairman) and Levin; Assistant Professor E. Ryerson; Dean Reed.

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and aesthetic forms within the American experience. By combining work in a number of the traditional scholarly disciplines, it aims to place the student in a position where he can see and can make some statements about these relations.

Major Program. A major in American Studies is required to develop a program of courses and independent reading which will enable him to pass a series of intensive written and oral examinations in the spring semester of the senior year. These examinations will cover:

1. The main forces which have shaped American life throughout American history. An American Studies major must understand changes in political and social institutions, the forms of economic organization, the competing myths and ideologies, and responses to world politics which have developed in the American experience.

2. The classic writings and other creative efforts in the American intellectual tradition. These include significant works in literature, art, philosophy, and political and social theory.

A major in American Studies will be required to take both terms of the introductory course (American Studies 11, 12) and to work out for himself a program of study inside and outside of courses which will enable him to pass the comprehensive examinations of the senior year. Such a program of study should include a primary emphasis on history and literature (at least three courses in each field), and a competent knowledge of at least one other field (at least two courses), viz., economics, political science, anthropology and sociology, philosophy, religion, art, or music.

Beginning with the class of 1970, no more than thirty students from each class will be admitted to the major program in American Studies. To be eligible for admission to the major program, a student must take American Studies 11, 12, before the end of the sophomore year. All students who are accepted in the major program must take the Junior Seminar in American Civilization and the two Senior Tutorial courses listed in the departmental offerings. In conjunction with the senior tutorial courses, each student in a major program will write an original essay that develops a form of interdisciplinary inquiry which has been approved by the Department.

Honors Program. All students majoring in American Studies are required to take the five interdisciplinary courses offered by the Department. Recom-

mendations for honors will be made at the end of the senior year after the comprehensive examinations and the completion of the senior essay.

Distribution Sequences. A student taking a three-course sequence will be expected to take both terms of the introductory course (American Studies 11, 12) and a third course that is included in one of the fields in Division II (Social Science) of the curriculum; a student taking a two-course sequence in the Department will be allowed to take only American Studies 11, 12.

Unless otherwise specified all courses are open to freshmen.

11, 12. An Introduction to American Civilization. This course will explore the significant interrelations among politics, economic organization, literature, religion, art, etc. in selected moments of American history. The center of attention in the course will be the investigation of large cultural configurations in the American experience rather than a comprehensive historical treatment. Relevant problems of meaning and method in this kind of interdisciplinary inquiry will also be considered.

In the first semester 1970–71, the topic will be *A Crisis in American Values, 1870–1910.* Beginning with the sense of crisis in the 1890's, the course will move back to look at some older values (in Horatio Alger and the Gospel of Wealth), at the emergence of new realities (Standard Oil and A Hazard of New Fortunes), and at the initial response of Americans (utopian fantasies, panaceas, and repression). The semester will conclude with a study of the new social and intellectual order which emerged (the new middle class, the university, racism abroad and at home, the corporate liberalism of Herbert Croly).

In the second semester, American Studies 12 will examine the development of some ecological perspectives.

Elective for Freshmen. First and second semesters. The staff.

Human Resources. Same course at Economics 21s.
Second semester. Professor Sears.

The American Economy. Same course as Economics 24.
Second semester. Professor Nelson.

American Economic History. Same course as Economics 28.
Second semester. Professor Aitken.

American Art. Same course as Fine Arts 38.
Elective for Sophomores. Second semester. Mr. Roberson.

Readings in American Literature. Same course as English 60f.

Requisite: At least two semester courses in American literature (or a course in English or French romanticism). Elective for Juniors. Admission

with the consent of the instructor. Seminar course limited to 15 students. First semester. Professor Marx.

American Puritanism. Same course as English 61.
Elective for Sophomores. First semester. Professor Marx.

American Renaissance. Same course as English 62.
Elective for Sophomores. Second semester. Professor Marx.

Realism and Naturalism in American Literature. Same course as English 63.
Elective for Sophomores. First semester. Omitted 1970–71. Professor Marx.

Visionary Writers in American. Same course as English 64.
Elective for Sophomores. Second semester. Omitted 1970–71. Professor Marx.

American Literature: Cosmopolitans and Provincials. Same course as English 65.
Elective for Sophomores. First semester. Professor Guttmann.

Race and Ethnicity in American Literature. Same course as English 66.
Elective for Sophomores. Second semester. Omitted 1970–71. Professor Guttmann.

Black Autobiography. Same course as English 67.
First semester. Omitted 1970–71.

Religion in America. Same course as Religion 34.
Elective for Juniors. Second semester. Omitted 1970–71. Professor B. Morgan.

American Social Structure. Same course as Sociology 12.
Elective for Freshmen. Second semester. Professor Dizard.

The Middle Class in American Society. Same course as Sociology 22.
Admission by consent of the instructor. Second semester. Professor Chinoy.

American Government. Same course as Political Science 21.
First semester. Professor Ziegler.

Political Parties. Same course as Political Science 31.
First semester. Professor Arkes.

American Constitutional Development. Same course as Political Science 41.
First semester. Professor Latham.

American Political Thought. Same course as Political Science 48.
Second semester. Professor Kateb.

The History of American Society. Same course as History 55.
First semester. Professor Rozwenc.

The History of American Society. Same course as History 56.
Second semester. Professor Rozwenc.

Seminar in Southern History. Same course as History 57s.
Limited to 15 students. Second semester. Professor Hawkins.

The Progressive Generation. Same course as History 58.
Limited to 15 students. Second semester. Professor Greene.

Society and Politics in Jacksonian America. Same course as History 59.
First semester. Omitted 1970–71. Professor Ward.

Radicals and Reformers in the New Deal Era. Same course as History 60.
Limited to 15 students. Second semester. Professor Rozwenc.

Community and Individualism in Early America. Same course as History 61.
First semester. Professor Greene.

American Diplomatic History. Same course as History 62.
Second semester. Professor Levin.

Conference Course in American Intellectual History. Same course as History 63.
Elective for Juniors with permission of instructor. First semester. Professor Commager.

Conference Course in American Intellectual History. Same course as History 64.
Elective for Juniors on permission of instructor. Second semester. Professor Commager.

Seminar in American Educational History. Same course as History 66f.
Limited to 15 students. First semester. Professor Hawkins.

Race in American History. Same course as History 67.
Limited to 25 students. First semester. Omitted 1970–71. Professor Hawkins.

Ideas in American Culture. Same course as History 72.
Second semester. Professor Ward.

68. Seminar in American Civilization. An interdisciplinary investigation of selected aspects of American civilization.

Required of all junior majors in American Studies. One two-hour seminar weekly. Second semester. Professor Greene.

77. Senior Tutorial Course. The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.
Required of all senior majors. First semester.

78. Senior Tutorial Course. The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.
Required of all senior majors. Second semester.

97. Special Topics. Independent Reading Course.
First semester.

98. Special Topics. Independent Reading Course.
Second semester.

ANTHROPOLOGY AND SOCIOLOGY

Professors Birnbaum (Chairman) and Pitkin* and Visiting Professors Chinoy and Rose; Assistant Professors Babb, Dizard, and Errington; and Visiting Assistant Professor Munn.

The Anthropology and Sociology program is designed to complement the work of the other disciplines in the Social Science division by bringing to bear the specific resources of each discipline upon the understanding of man in society and culture. Emphasis is placed upon traditional as well as upon modern societies and upon man in the past as well as in the present.

Major Program: Students majoring in the department will be able to emphasize either an anthropology or sociology curriculum. In the first instance students will normally take (although not necessarily in this order) Sociology 11 or 12, Anthropology 11, 12, 21 or 22, 24 or 26, 31, 40, and 71. Candidates for degrees with honors will include Anthropology 77, 78.

Those who pursue a sociology curriculum will normally take Anthropology 11 or 12, Sociology 11, 12 and 71; two additional courses in sociology at Amherst College, and two additional courses in anthropology at Amherst or in sociology from Five-College electives. Candidates for degrees with

*On leave 1970–71.

honors will include, as seniors, Sociology 77, 78. A reading knowledge of either French or German is recommended.

Interdepartmental majors in combination with a number of other fields may be arranged for honors candidates.

Distribution Sequences: A two-course sequence will be Anthropology 11 or 12 and any other course in the department, or Sociology 11 or 12 and any other course in the department. A three-course sequence will be Anthropology 11 or 12 and any other two courses in the department, or Sociology 11 or 12 and any other two courses in the department.

Anthropology

11. The Evolution of Culture. An analysis of culture in evolutionary perspective, regarding it as the distinctive adaptive mode of man.

Elective for Freshmen. First semester. Professor Babb.

12. Peoples of Africa. A general survey of Subsaharan ethnography, including a final section on modern political developments.

Elective for Freshmen. Second semester. Professor Babb.

21. Indian Civilization. A general survey of Indian civilizations together with comparative materials from other areas of South and Southeast Asia.

Elective for Sophomores. First semester. Professor Babb.

22. Ethnology of Oceania. An examination of the ethnology of Oceania with emphasis on Melanesia. Topics to be included which are of general theoretical interest to social anthropology are problems in the analysis of loosely-structured societies, messianic movements, men's ritual and societies, sexual antagonism, and the idea of pollution.

Elective for Sophomores. Second semester. Professor Errington.

24. Comparative Mythology. Comparative analysis of a number of mythic systems with special reference to the problem of human psycho-cultural diversity or unity.

Elective for Sophomores. Second semester. Omitted 1970–71. To be offered next in 1972–73. Professor Pitkin.

26. Peasant Society and Culture. An examination of the concept of peasantry in addition to an analysis of a number of peasant societies drawn both from literature and the social sciences.

Elective for Sophomores. Second semester. Omitted 1970–71. To be offered 1971–72. Professor Pitkin.

31. Anthropological Approaches to the Study of Religion. An examination of anthropological theory and method relating to the analysis of systems of religious belief and practice.

Elective for Sophomores. First semester. Professor Errington.

36. Culture and Personality. An examination of theoretical and methodological issues concerning the relationship between personality and culture. One two-hour seminar per week.

Elective for Juniors by consent of the instructor. Second semester. Omitted 1970–71. To be offered 1971–72. Professor Pitkin.

40. Anthropological Theory. A critique of anthropological theory from the mid-nineteenth century to the present with an emphasis on the structural-functional approach. One two-hour seminar per week.

Elective for Juniors by consent of the instructor. Second semester. Professor Errington.

51. Colloquium in History and Anthropology. (Also listed as History 27). A comparison of the uses of the disciplines of history and anthropology with reference to Western European political institutions, 1250–1750. Emphasis will be placed upon analyses (historical and anthropological) of political rituals (royal coronation and funeral ceremonies, processions), political symbols (the body politic, the crown), social class and mobility, and cultural conceptions of time and change. One meeting per week. Reading knowledge of French and/or German desirable, but not required.

Limited to 20 students. First semester. To be offered only once. Professors Munn and Weary.

71. Senior Seminar. A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

First semester. Professors Birnbaum and Errington.

77, 78. Honors Course.

First and second semesters. The Department.

97, H97, 98, H98. Special Topics. Independent Reading Courses. Full or half course.

First and second semesters. The Department.

Sociology

11. Introduction to Sociology. An historical introduction to sociology. The origins of sociological thought in the philosophies of history and politics, and the influence of the French and industrial revolutions. National intel-

lectual and political traditions and sociology. The development of social research. A number of classical sociologists and of historically important enquiries will be studied. Three hours per week.

Elective for Freshmen. First semester. Professor Birnbaum.

12. American Social Structure. An analysis of continuity and change in American society. The relationships between social structure and the life styles, values and aspirations of social classes. Inequality and social movements. The role of the corporation and the corporate elite. Power elite versus pluralism.

Elective for Freshmen. Second semester. Professor Dizard.

20. Sociology of Intellectual Life. The social setting and organization of modern intellectual life in America and Europe. The emergence of the intellectuals, their cultural and political roles. The development of a technical intelligentsia. Bohemian and bourgeois modes of culture, the market for culture, and the bureaucratisation of the spirit. Universities and the alleged rise of a knowledge elite. A reading knowledge of a European language is strongly recommended.

Elective for Juniors and Seniors. Second semester. Omitted 1970–71. Professor Birnbaum.

21. Race and Ethnic Relations. A deailed analysis of race and ethnic relations in American society with focus on the experience of several major ethnic groups in addition to a comprehensive examination of the Negro in America. Issues to be dealt with will include racism, assimilation, ethnic identity, and black culture.

Elective for Juniors and Seniors. First semester. Professor Dizard.

22. The Middle Class in American Society. The position, prospects and role of the middle class. The nature and influence of middle class values and ideology. Consideration of such topics as white-collar unionism, the politics of the middle class, the embourgeoisement of industrial workers, organizational versus entrepreneurial values. One two-hour seminar per week.

Admission by consent of the instructor. Second semester. Professor Chinoy.

24. Sociology of Religion. Theological and sociological perspectives on current religious issues. The contribution of the classical tradition in the sociology of religion. A consideration of secularization and the Christian-Marxist dialogue.

Requisite: Sociology 11 or Religion 11 or consent of the instructor. Second semester. Omitted 1970–71. Professor Birnbaum.

25. Theories of Ethnic Relations and Their Applications. Sociological approaches to the study of racially and ethnically plural societies. Applica-

tions of these approaches to specific cases of ethnic relations in the United States. Among the cases to be considered are: immigration; policy toward American Indians; school integration in the southern U.S.; the community-control conflict between Blacks and Jews; and the issue of ethnic studies in the university. One two-hour seminar per week.

Admission by consent of the instructor. First semester. Professor Rose.

30. Social Change. An examination of classical and contemporary treatments of change. The sources of change and the phenomenon of social conflict. Orderly and revolutionary change. The role of the intellectual and ideology. The problems of analyzing modernization and economic development.

Elective for Juniors with the consent of the instructor. Second semester. Omitted 1970–71. Professor Dizard.

31s. Karl Marx. An examination of the sources and development of the thought of Karl Marx. Reading in the original texts. Current interpretations of Marx.

Second semester. Professor Birnbaum.

71. Senior Seminar. A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

First semester. Professors Birnbaum and Errington.

77.78. Honors Course. First and second semesters. The Department.

97. H97. 98. H98. Independent reading courses. Full or half course. First and second semesters. The Department.

Asian Studies. See page 176.

ASTRONOMY

Professors Harrison, Irvine (Chairman), Seitter and Strong; Associate Professors Arny and Huguenin; Assistant Professors Cogan, Dennis, Dent, C. Gordon, K. Gordon, Harkness, Taylor, and Van Blerkom.

A joint Astronomy Department provides instruction at Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at each of the five institutions; advanced courses are taught jointly.

ASTFC indicates courses offered by the Five-College Astronomy Department. These courses are listed in the catalogs of all the institutions.

Two alternative programs are available leading to a degree in astronomy. The honors program is designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The *rite* major is available to the student who wishes to study astronomy largely for its cultural values, but who does not plan graduate study.

The facilities of all five institutions are available to departmental majors. Should the needs of a thesis project so dictate, the Department may arrange to obtain special materials from other observatories.

Major Program: The minimum requirements for the *rite* major are Astronomy 22, 73, 74, and two courses from 37, 38, 43 and 44; Mathematics 11, 12 and 21; Physics 13, 14, 23, and at least one additional physics course.

A student who considers majoring in astronomy should consult with the Department as early as possible in his college career. Honors students should complete Mathematics 12 and Physics 13 before the start of the sophomore year.

An appropriate program for the student who achieves advanced placement in physics or astronomy will be devised on an individual basis, in consultation with the Dean and the Physics Department.

Honors Program. Minimum Requirements: Astronomy 22, 37 or 38, 43, 44, 77, and 78. Mathematics 11, 12 and 21; Physics 13, 14, 23, 26, 27, 36 and 58.

In exceptional cases Astronomy 11 may be substituted for Astronomy 22 in either the *rite* or honors program.

Distribution Sequence: A two-course sequence may consist of any two courses in astronomy (Astronomy 11 with either 31 or 34 is recommended), or Astronomy 22 and Physics 14. A three-course sequence may consist of any three courses in astronomy.

11. Introductory Astronomy. A course designed primarily for students not majoring in the physical sciences. The properties of the astronomical universe and the methods by which astronomers investigate it are discussed. The course describes the nature and properties of stars, our Galaxy, external galaxies, cosmology, the origin and character of the solar system. Three one-hour lectures and one two-hour laboratory per week.

Elective for Freshmen. First semester. Professor Cogan.

22f. Introduction to Astronomy and Astrophysics. For astronomy majors or others interested in a quantitative introductory course. A description of our present knowledge of the universe and the means by which this knowledge has been obtained. The course considers the properties of the solar system, individual and multiple stars, interstellar matter, our galactic system and external galaxies. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTFC 22.

Requisite: Physics 13 and 14. (Physics 14 may be taken concurrently.) Not open to students who have completed Astronomy 11. Elective for Sophomores. First semester. Professor Taylor.

22. Introduction to Astronomy and Astrophysics. Same description as Astronomy 22f. Second semester. Professor Cogan.

31. Space Science: Topics of Current Astronomical Research. A discussion of selected topics from current astronomical research, intended primarily for non-science majors. Topics may include the aims and results of space research and exploration, recent developments in stellar evolution, cosmology, and current research in radio astronomy. No mathematical preparation beyond algebra and elementary trigonometry is required. Two ninety-minute lectures per week. Same course as ASTFC 31.

Requisite: Astronomy 11 or 22. Elective for Sophomores. First semester. Professor Arny.

34. Development of Astronomy. The progress of astronomy is traced from prehistoric petroglyphs to the space age. Emphasis is placed upon the development of important ideas in the field and upon the relation of astronomy to other cultural trends. Supplemented by occasional use of the planetarium and the departmental telescopes. Two ninety-minute lectures per week. Same course as ASTFC 34.

Requisite: Astronomy 11 or 22. Elective for Freshmen. Second semester. Professor Seitter.

37. Astronomical Observation. An introduction to the techniques of gathering and analyzing astronomical data. Subjects to be covered depend somewhat on individual interests: Photography, calibration of photographs; photometry; spectroscopy and classification of spectra; determination of stellar temperatures, masses and radii; basic radio astronomy; introduction to telescope design and use: the astronomical distance scale. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTFC 37.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores. First semester. Professors Seitter and Strong.

38. Techniques of Modern Astronomy. An introduction to modern methods of astronomical observation and data reduction. Specific techniques of optical astronomy, radio astronomy, and space astronomy will be discussed and analyzed. Laboratory experiments and field observations will also be performed by students during the semester. Same course as ASTFC 38.

Requisite: Physics 14. Elective for Sophomores. Second semester. Professor Huguenin.

43. Astrophysics I. Basic topics in astrophysics. Equilibrium configurations and the physical state of stellar interiors. Polytrope models. Interaction of radiation and matter, and radiative transfer. Radiative and convective equilibrium. Study of opacity. Two ninety-minute lectures per week. Same course as ASTFC 43.

Requisite: Physics 27 or permission of instructor. Elective for Juniors. First semester. Professor Harrison.

44. Astrophysics II. Continuation of basic topics in astrophysics. Nuclear energy sources. Stellar atmospheres and limb darkening. Electron degenerate configurations. Star formation. Introduction to simple model building. Stellar evolution. Elementary plasma physics. Two ninety-minute lectures per week. Same course as ASTFC 44.

Requisite: Astronomy 43. Elective for Juniors. Second semester. Professor Harrison.

73, 74. Reading Course. Required of *rite* majors. Students electing this course will be required to do extensive reading in the areas of astronomy and space science. Two term papers will be prepared during the year on topics acceptable to the Department.

Elective for Seniors. First and second semesters. The Department.

77, 78. Senior Honors. Opportunities for theoretical and observational work on the frontiers of science are available in cosmology, cosmogony, radio astronomy, planetary atmospheres, relativistic astrophysics, laboratory astrophysics, gravitational theory, infrared balloon astronomy, stellar astrophysics, spectroscopy, and exobiology. Facilities include the Five College Radio Astronomy Observatory, the Laboratory for Infrared Astrophysics, balloon astronomy equipment (16-inch telescope, cryogenic detectors), and a modern 16-inch Cassegrain reflector. An honors candidate must submit an acceptable thesis and pass an oral examination. The oral examination will consider the subject matter of the thesis and other areas of astronomy specifically discussed in astronomy courses.

Elective for Seniors. Required of honors students. First and second semesters. The Department.

BIOLOGY

Professors Brower, Hexter, Leadbetter (Chairman), and Yost; Assistant Professors Ellis, Fisher, Godchaux, Jones and Zimmerman; Dr. Ives.

Major Program. A major in biology will consist of at least six semester courses in biology and two semester courses of organic chemistry. Biology 21 and 22 are required for majors. In addition, four elective courses are required, including at least one from Group A (Biology 24f, 41, 44 or 45),

one from Group B (Biology 30 or 48), and one from Group C (Biology 42, 43 or 47) in order to insure a broad perspective in biology. Biology 11–12 will not count toward the major without approval by the Department.

All majors must take a comprehensive examination during the senior year. The examination, which will cover the different areas of biology, may be either oral, written, or a combination of the two, as determined by the Department.

Specific requirements may be modified with the approval of the Department. It is recommended that Freshmen intending to major in biology concentrate during their freshman year on necessary background courses in mathematics, physics, or chemistry. Biology majors should omit Problems of Inquiry 3.

Honors Program. Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

The work for honors in biology consists of two main activities: (a) participation in a seminar in which the candidate reports on recent literature dealing with current scientific investigations; (b) an original investigation under the direction of some member of the staff. The candidate writes a thesis presenting the results of his research to the whole Department.

Biology 21 and 22 are required for the degree with honors. In addition, in order to insure a broad perspective in biology, each candidate must complete by the end of the senior year three elective courses, including at least one course from Group A, one from Group B, and one from Group C as enumerated above in the description of the major program. Two of these courses should be completed by the beginning of the senior year. Honors candidates must elect Biology 77–78. Specific requirements may be modified with the approval of the Department.

Requirements for:

Class of 1971: Students should have completed by the end of the senior year Biology 21, 22, 23, 24 and two elective courses (majors) or one elective course and Biology 77–78 (honors). Any student who has not taken Biology 21, 22, 23, or 24 by September 1970 should consult his academic adviser.

Class of 1972: Students should have completed by the end of the senior year Biology 21 and 22 and four electives, including at least one course from Group A, one from Group B, and one from Group C (Majors) or at least three elective courses (one each from Group A, B, and C) and Biology 77–78 [honors]). Any student who has not taken Biology 21 or 22 by September 1970 should consult his academic adviser.

Classes of 1973 and 1974: Course of study as described under Major Program and Honors Program.

Distribution Sequences. The following three-semester distributional sequences are offered (the first two courses in each case satisfy the requirement for a two-semester distribution sequence):

1. Biology 11, Biology 12, and any other course in the Department for which the student has the requisites.
2. Chemistry 11 or 12, Biology 21.
3. Chemistry 11 or 12, Biology 21, and either Biology 22, 23 or 24.

11. Introduction to Biology I. An introduction to biological principles as a part of a program of liberal study. Recommended as a broad view of biology for non-science majors. Normally does not count toward a biology major. Three classroom hours and four hours of laboratory work per week.

Elective for Freshmen. First semester. Professors Fisher and Jones.

12. Introduction to Biology II. A continuation of Biology 11, with emphasis on microbes, their contributions to our understanding of biological principles, and their ecological roles in nature. Three classroom hours and four hours of laboratory and discussion per week.

Requisite: Biology 11 or equivalent. Elective for Freshmen. Second semester. Professor Leadbetter.

21. Genetics and Cytology. A study of the basic facts of heredity, an analysis of cellular structure, and a consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week.

Requisite: concurrent registration in Chemistry 11 or equivalent. Required for biology majors. Elective for Sophomores. Freshmen may elect it with the consent of the instructor. First semester. Professors Hexter and Yost.

22. Developmental Biology. A study of the development of animals and plants, leading to the formulation of the principles of development, and including an introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week.

Requisite: Biology 21. Required for biology majors. Elective for Sophomores. Freshmen who have credit for Biology 21 may elect Biology 22 with the consent of the instructor. Second semester. Professor Ellis.

24f. Evolutionary Biology. A broad examination of functional and historical explanation in the biological sciences. The topics covered include: the history of evolutionary ideas and natural selection; the genetics of individuals and populations; analysis of rates, patterns, and direction of evolution as indicated by the fossil record; the origin of life and the evolu-

tion of genes, proteins and cellular particulates; biochemical and physiological adaptations; evolutionary aspects of behavior and development; and the origin of man. Four classroom hours and four hours of laboratory work per week.

Requisite: Biology 21. Required for biology majors. Elective for Juniors, or for Sophomores with the consent of the instructor. First semester. Professor Zimmerman.

30. Biochemistry. A study of the structure and function of biologically important molecules and their role(s) in life processes. Four classroom hours and four hours of laboratory work per week. Same course as Chemistry 30.

Requisite: One semester of organic chemistry and one semester of biology. Second semester. Professors Godchaux and Vournakis.

41. Ecology. A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of population, natural selection, and the origin and distribution of species will be discussed. Three classroom hours and four hours laboratory or field work per week.

Requisite: Biology 21 or the consent of the instructor. Elective for Juniors. First semester. Professor Brower.

42. Bacteriology. A study of the ecology, physiology, and biochemistry of microorganisms, with special emphasis on the non-pathogenic bacteria. Three classroom hours and four hours laboratory per week.

Requisite: Biology 23. Elective for Juniors. Limited to twenty students. Second semester. Omitted 1970–71. Professor Leadbetter.

43. Comparative Physiology. A study of aspects of the functioning of various systems of selected animals, both vertebrate and invertebrate. Three classroom hours and four hours laboratory per week.

Requisite: one semester of biology. Elective for Juniors. Limited to twelve students. First semester. Omitted 1970–71.

44 Current Problems in Ecology. Problems in the natural environment with individual or group projects of current interest. Three classroom hours and four hours of laboratory work per week.

Requisite: Biology 21, Biology 41, Geology 11 and consent of the instructor. Second semester. Professor Brower.

46. Biology of Protozoa. A study of animal microorganisms with special emphasis on physiology, biochemistry, and development. Three classroom hours and four hours laboratory per week.

Elective for Juniors. Limited to twelve students. Second semester. Omitted 1970–71.

47. Advanced Developmental Biology. An analysis of current views of development at the cellular and biochemical levels with special attention to the genetic control of embryonic differentiation and to cellular interaction in morphogenesis. Three classroom hours and four hours laboratory per week.

Requisite: Biology 22. Elective for Juniors. Limited to twelve students. First semester. Professor Ellis.

48. Microbial Genetics. A study of gene transmission, expression and recombination in viruses, bacteria and fungi. Three classroom hours and four hours laboratory per week.

Requisite: Biology 21. Limited to twelve students. Second semester. Professor Jones.

49. Topics in Cell Physiology. A study of the relationship of structure to function at the subcellular level, with emphasis on molecular mechanisms. Three classroom hours and four hours of laboratory per week.

Requisite: Biology 30. First semester. Professor Godchaux.

52. Seminar in Genetics. A study in depth of one of several topics in genetics. Topics will vary from year to year. Primary sources will be used when available. Three hours per week.

Requisite: Biology 21 and the consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Omitted 1970–71.

54. Seminar in Radiation Biology. A study of selected problems of current interest in radiation biology. The topics will vary from year to year. Extensive use will be made of primary sources. Two classroom hours per week. Students who take Biology 54 will not be allowed to take Biology 52, and *vice versa.*

Requisites: Biology 21 and 23. Elective for Seniors not honoring in Biology. Limited to twelve students. Second semester. Omitted 1970–71. Professor Yost.

56. Seminar in Animal Behavior. Physiological, genetic and evolutionary aspects of invertebrate and vertebrate behavior. The emphasis on topics will vary from year to year. Two and occasionally three classroom hours per week. Does not satisfy departmental requirements for Biology Honors candidate.

Requisite: Biology 21 or Biology 11 and 12, and consent of the instructor. Second semester. Omitted 1970–71. Professor Zimmerman.

77. Biology Honors. All honors students will take this course. The work consists of a combined seminar, specialized seminars, and individual research. Students will elect one of the following specialized seminar courses

with the approval of the Department: Biochemistry and Microbiology, Evolution, Developmental Biology, Genetics, and Radiation Biology. The course is designed for honors candidates but is open to other advanced students with the consent of the Department.

Requisite: Biology 21, 22, 23, and 24. Elective for Seniors. First semester. The Staff.

D78. Biology Honors. A continuation of Biology 77. A double course.
Elective for Seniors. Second semester. The Staff.

97, H97. Special Topics. Independent Reading or Research Course. Half or full course, as arranged.
First semester.

98, H98. Special Topics. Independent Reading or Research Course. Half or full course, as arranged.
Second semester.

BIOPHYSICS

Advisory Committee: Professors Kropf (Chairman) and Yost; Assistant Professor Duffy*.

A student may receive the B.A. degree from Amherst with an interdepartmental major in biophysics. This program is designed for those few capable students who either wish the breadth of experience this program provides or who wish to prepare for graduate study in this field. The course of study is organized around course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

Major Program. It should be noted that some of the introductory departmental courses are bracketed, since it is hoped that they will have been satisfied upon admission. If not, they should be taken as required. Requirements: Biology 21 and 30; Chemistry (11), 12, 43, 44, 47 and 48; Mathematics (11), 12 and one more advanced course; Physics (13), 14, 28 and one more advanced course. Substitutions or omissions may be made in certain cases with the advice and approval of the chairman. Problems of Inquiry 3 is not required of biophysics majors.

It is important that a prospective biophysics major consult with the departmental advisor early in his academic career in order to determine his course selections and prospective seminar and honors work.

*On leave 1970–71.

Honors Program. Candidates for the degree with honors should elect Biophysics 77 and D78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

77, D78. Biophysics Honors. The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member. Full course first semester. Double course second semester.

The Committee.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course. First and second semesters.

BLACK STUDIES

Professor Davis (Chairman); Visiting Associate Professor J. Cole.

Black studies is an interdisciplinary program drawn from offerings at the Five Colleges that emphasizes the development, experience and achievements of Black peoples in the Unitd States, the Caribbean and Africa.

Major Program. A student who begins a major in Black Studies as a freshman or sophomore in 1970–71 may expect to take ten courses in the program, including the introductory course (Black Studies 11), a required seminar in his junior year (Black Studies 67), and a program of eight other courses, selected in consultation with faculty advisors, at least four of which will exhibit a coherent structure relevant to a theme, a discipline, or a geographical area.

A major may also expect, with the consent of the department chairman, to be able to spend one semester at another educational institution in the spring semester of his sophomore year or during his junior year.

11. An Introduction to Black Studies. An interdisciplinary investigation of the development, experience and achievements of Black peoples.

Elective for Freshmen with the consent of the instructor. First semester. Professor J. Cole.

68. African Elements in Brazil, Latin America and the Caribbean. A survey of the impact of African cultural elements in these areas. Emphasis is placed on African eschatological ideas; religious, philosophical and ethical notions; ideas of secret societies and their impact on the family, church, music, and language. Consideration will also be given to the social, political, and

economic life in the respective areas. Much of the reading will be taken from Portuguese works translated into English and, where relevant, from French. A paper will be required. Second semester. Professor Davis.

The following courses are available for inclusion in a Black Studies program in 1970–71.

Peoples of Africa. Same course as Anthropology 12.
Elective for Freshmen. Second semester. Professor Babb.

American Social Structure. Same course as Sociology 12.
Elective for Freshmen. Second semester. Professor Dizard.

Race and Ethnic Relations. Same course as Sociology 21.
Elective for Juniors and Seniors. First semester. Professor Dizard.

Theories of Ethnic Relations and Their Applications. Same course as Sociology 25.
Admission by consent of the instructor. First semester. Professor Rose.

Social Change. Same course as Sociology 30.
Elective for Juniors, with the consent of the instructor. Second semester. Omitted 1970–71. Professor Dizard.

The Economics of Urban Problems. Same course as Economics 23.
Requisite: Economics 11. First semester. Professor Kohler.

Economic Development. Same course as Economics 36.
Requisite: Economics 11. Second semester. Professor R. Cole.

Black Poetry of the Thirties: France and America. Same course as English 25s (10).
Second semester. Omitted 1970–71.

Race and Ethnicity in American Literature. Same course as English 66.
Elective for Sophomores. Second semester. Omitted 1970–71. Professor Guttmann.

Black Autobiography. Same course as English 67.
Elective for Juniors. Limited to twenty students. First semester. Omitted 1970–71.

The Heritage of African Art. Same course as Fine Arts 43s.
Elective for Freshmen, with the consent of the instructor. Limited to fifteen students. Second semester. Professor Trapp.

Race in American History. Same course as History 67.
Limited to twenty-five students. First semester. Omitted 1970–71. Professor Hawkins.

African History to 1880. Same course as History 69.
First semester. Professor Davis.

Modern African History. Same course as History 70.
Second semester. Professor Davis.

African Nationalism. Same course as History 71.
First semester. Professor Davis.

The Colonial Situation in Africa. Same course as History 76.
Limited to fifteen students with consent of the instructor. Second semester. Professor Gifford.

Urban Politics. Same course as Political Science 32.
Admission with the consent of the instructor. Second semester. Professor Arkes.

Politics in Developing Nations. Same course as Political Science 44.
Second semester. Mr. Schloming.

Religion in America. Same course as Religion 34.
Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Omitted 1970–71. Professor Morgan.

Minority Expression and Racial Identity in Latin American Literature. Same course as Spanish 27.
Requisite: Reading knowledge of Spanish. First semester. Omitted 1970–71. Professor Kent.

A list of other appropriate courses offered at Hampshire, Smith and Mount Holyoke Colleges and the University of Massachusetts is available in the Registrar's Office.

CHEMISTRY

Professors Kropf, Silver*, and Whitney; Associate Professor Fink (Chairman); Assistant Professors Kittelberger, Offenhartz, Sargent and Snellgrove.

Major Program. A student considering a major in chemistry should consult a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry, chemical physics, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

*On leave 1970–71.

The minimum requirements for a major in chemistry are Chemistry 12, 30 or 52, 43, 44, 47, 48, Mathematics 12, and Physics 13 plus one physics course more advanced than Physics 13. *Rite* majors should elect *both* Chemistry 30 and 52. Chemistry majors may omit Problems of Inquiry 3, and should take Chemistry 11 and 12 and Mathematics 11 in the freshman year. A reading knowledge of German and/or Russian is desirable for a student planning graduate work in chemistry.

Honors Program. A candidate for the degree with honors will also elect Chemistry 77 and D78 in the senior year. It will also be helpful in pursuing an honors program for the student to have completed physical and organic chemistry by the end of his junior year. However, either of these courses may be taken in the senior year in an appropriately constructed honors sequence. Honors programs for exceptional needs, including interdisciplinary study, will be arranged on an individual basis by the departmental advisor.

Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. All chemistry majors should attend the seminar in their senior year. At this seminar discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the Department are: theoretical chemistry; quantum mechanical calculations for porphyrin and other compounds; nucleophilicity of carbon-carbon bonding electrons; reactions of aromatic anions; chemistry of the visual process; mechanism of organic reactions; enzyme catalyzed processes; coordination chemistry and reaction mechanisms of metalloporphyrins; nuclear chemistry; fundamental kinetics in gaseous systems and at solid surfaces studied by molecular beam techniques; photochemistry; spectroscopic studies of the solid state; and biochemistry.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work, the comprehensive examination, and course performance.

Distribution Sequences. Distribution sequences may be satisfied in chemistry in the following ways:

Two-course sequence

a) Any two courses in chemistry, except Chemistry 10f.

b) Chemistry 11 or 12 and Biology 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Three-course sequence

a) Any three courses in chemistry, except Chemistry 10f.

b) Chemistry 11 and 12 and Biology 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Unless otherwise specified, all courses are open to freshmen.

10f. Fundamental Concepts of Physical Science. Same course as Physics 10f. By focusing on topics of fundamental significance in physical science, the course is designed to enable students with a limited background, but a serious interest in science, to profit more fully from established departmental sequences in chemistry and physics.

Students with the following backgrounds might consider seeking admission to the course prior to enrolling in Chemistry 11 or Physics 13:

a. No secondary school chemistry or physics.

b. Only one year of secondary school chemistry or physics, but not both.

c. A secondary school chemistry or physics course which the student feels did not provide a fundamental background in the basic concepts of the discipline.

This course is designed for students who intend to undertake substantial work in science at Amherst (i.e. at least Chemistry 11, 12, and Physics 13, 14) and will not be appropriate to students seeking to satisfy distribution requirements. Four hours of classroom work and four hours of laboratory per week. Offered only when there is sufficient need.

Elective for Freshmen with the consent of the instructor. First semester. Omitted 1970–71.

11. Introductory Chemistry. Beginning with a discussion of the origin and formation of the elements, this course will study the structure of atoms, the formation of molecules, the nature of interatomic and intermolecular forces, the nature of chemical reactions in terms of rate and position of equilibrium, and the chemical basis of biological processes. Three class hours and three hours of laboratory per week.

Elective for Freshmen. First semester. Professors Fink, Kropf, Snellgrove and Whitney.

11s. Introductory Chemistry. Same description as Chemistry 11.

Elective for Freshmen. Second semester. Professor Fink.

12f. Chemical Principles. An examination of the relationships among structure, stability, and chemical change. The thermodynamic and kinetic criteria for stability of both inorganic and organic compounds will be investigated. Topics such as geometrical and structural isomerism, physical methods of structure determination, the use of thermodynamics in determining the position of equilibrium in inorganic, biochemical, and organic reactions, and the use of chemical kinetics in the determination of the rate of attainment of equilibrium will be discussed. Appropriate laboratory work will be performed. Four class hours and three hours of laboratory per week.

Requisite: Chemistry 11 (This requirement may be waived for exceptionally well prepared students. Consent of the instructor is required.), Mathematics 11 or its equivalent. Elective for Freshmen. First semester. Professors Offenhartz and Snellgrove.

12. Chemical Principles. Same description as Chemistry 12f. Elective for Freshmen. Second semester.

30. Biochemistry. A study of the structure and function of biologically important molecules and their role in life processes. Four class hours and four hours of laboratory work per week. Same course as Biology 30.

Requisites: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester.

43. Organic Chemistry. Structure, properties, and reactions of organic chemical compounds. Special emphasis is placed upon the effect of structure on reactivity. Topics include spectral properties, conformational analysis, reaction mechanisms, modern synthetic methods, and biochemical applications. Laboratory work emphasizes methods of separation and purification, instrumental analysis, multistep syntheses, kinetic determinations, and organic qualitative analysis. Three to four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 12 or 31. First semester. Professors Sargent and Whitney.

44. Organic Chemistry. A continuation of Chemistry 43.

Requisite: A grade of C or better in Chemistry 43, or permission of the instructor. Second semester. Professors Sargent and Whitney.

47. Modern Physical Chemistry. Elementary quantum mechanics. Topics include the time-independent Schrödinger equation, approximate methods of solution, applications to the structure and properties of atoms, molecules and solids, the chemical bond, and intermolecular forces. The laboratory includes quantitative spectroscopy and spectrophotometry applied to atoms and molecules. Three hours of lecture and four hours of laboratory weekly.

Requisite: Chemistry 12 or 31, Physics 14 or a course more advanced than Physics 14, and Mathematics 12. First semester. Professor Kittelberger.

48. Modern Physical Chemistry. Equilibrium statistical thermodynamics and kinetics. Topics include Fermi-Dirac, Bose-Einstein and Boltzmann statistics, applications to ideal gases, crystalline solids and an introduction to theories of the liquid state. Theories of chemical reaction rates and energy transfer rates will be developed and applied to gases and solutions. Photochemistry and recent advances in chemical dynamics will be discussed. The laboratory emphasizes the microscopic nature of macroscopic properties of matter, and the dynamics of chemical reactions and energy transfer. Three hours of lecture and four hours of laboratory weekly.

Requisite: Chemistry 47 or equivalent, or permission of instructor; Chemistry 12 or 31, Physics 14 or a course more advanced than Physics 14, and Mathematics 12. Second semester. Professor Kittelberger.

50. Inorganic Chemistry. Significant types and trends of structure, bonding, and reactivity for the chemical elements in general will be examined and compared on the bases of fundamental atomic theory and periodic correlations. Current methods of systematization will be examined on this basis. Current developments in inorganic chemistry will be selected and studied in a similar format.

Requisite: Chemistry 47. Second semester. Professor Snellgrove.

77, D77. Honors Course.

Elective for Senior honors candidates, and for others with the consent of the Department. First semester. The Department.

78, D78. Honors Course.

Elective for Senior honors candidates, and for others with the consent of the Department. Second semester. The Department.

97, H97. Special Topics. A full or half course.

First semester. Consent of the Department is required. The Department.

98, H98. Special Topics. A full or half course.

Second semester. Consent of the Department is required. The Department.

CLASSICS

Professor J. Moore‡; Associate Professor Marshall (Chairman); Assistant Professors Flory and Lebeck.

Major Program. All courses offered by the Department may be counted toward the major except those numbered 1, 1s, and 3; but of Greek 11 or 12 only one may be counted, and only then if both have been elected. Latin 15–16 will normally be introductory to higher courses in Latin, and Greek 15–16 will serve the same function in Greek. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that no fewer than two may be taken

‡On leave second semester 1970–71.

in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

Honors Program. Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 77 and 78 in either Greek or Latin. He must submit a long essay (6000–7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. In the second semester of his senior year he will be given a written examination covering: (a) his honors work; (b) his reading in the classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice among various optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

Distribution Sequences. The following courses may be offered in satisfaction of the distribution requirement: Latin 15, 16, 28, 41, 42; Greek 12 if Greek 11 has also been elected, and *vice versa;* Greek 15, 16, 41, 42; Classics 23, 24.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 12, 11, or 1s, 11, 12.

Classics

23. Classical Civilization. A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Moore.

24. Classical Civilization. A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Marshall.

36. Ancient and Modern Literature. Same course as Colloquium 36. The readings are chosen to illustrate some of the resources of the literary imagination and something of the variety of human concerns which writers have entrusted to books.

The class, which if necessary will be divided into two sections, will meet with both instructors for discussion once a week for two hours. Perhaps once a month, and at the beginning of the course more frequently, a student will be expected to submit a journal or commonplace book in which he has recorded a critical appraisal of his reading together with other observations.

Limited to fifteen students. Elective for Juniors with the consent of the instructors. Second semester. Professors Epstein and White.

Greek

1. Introduction to the Greek Language. Attic Greek. Four hours of classroom work per week. This course is normally followed by Greek 12.

Elective for Freshmen. First semester. Professor Flory.

1s. Introduction to the Greek Language. Homeric Greek. Four hours of classroom work per week. This course is normally followed by Greek 11.

Elective for Freshmen with the consent of the instructor. Second semester. Professor Lebeck.

11. The Iliad. Four hours of classroom work per week.

Requisite: Greek 1s or 12. Elective for Freshmen. First semester. Professor Lebeck.

12. Plato's Apology. Four hours of classroom work per week.

Requisite: Greek 1 or 11. Elective for Freshmen. Second semester. Professor Flory.

15. Greek Tragedy. One or two tragedies will be read. Three one-hour class meetings per week.

Requisite: Greek 12 or its equivalent. Elective for Freshmen. First semester. Professor Flory.

16. Readings from the Odyssey and from the Lyric Poets. Three one-hour class meetings per week.

Requisite: Greek 15 or its equivalent. Elective for Freshmen. Second semester. Professor Lebeck.

H21s. Greek Prose Composition and Style. This course is designed to strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, *viz.:* (a) translation of English passages into Greek and original composition in Greek; and (b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Second semester. Offered in alternate years. Professor Marshall.

41, 42. Advanced Readings in Greek Literature. The authors read in these courses vary from year to year, the selection being made according to the needs of the students; but as a general practice Greek 41 will be devoted in alternate years to Greek tragedy and to Plato. In 1970–71 Greek tragedy will be read in Greek 41, and Homer in Greek 42. Two or more hours of classroom work per week.

Requisite: Greek 15 or 16. Seminar course elective for Juniors. First and second semesters. Professor Lebeck (first semester); Professor Flory (second semester).

77, D78. Senior Honors Course. Greek 78 is a double course.

First and second semesters.

97, 98. Special Topics.

First and second semesters. Members of the Department.

Latin

3. Intermediate Course. Review of Latin grammar; selections from Latin prose and poetry. Four one-hour class meetings per week.

Requisite: Two or three entrance units in Latin. Elective for Freshmen. First semester. Professor Moore.

15. Catullus. Attention will be given to Catullus as a literary artist and interpreter of the society of the late Republic. Three one-hour class meetings per week.

Elective for Freshmen. First semester. Professor Marshall.

16. Virgil's Eclogues and Horace's Odes. Three one-hour class meetings per week.

Requisite: Latin 15, or four entrance units in Latin. Elective for Freshmen. Second semester. Professor Lebeck.

H21s. Latin Prose Composition and Style. A course designed to strengthen and refine the student's mastery of the Latin language. There will be two principal types of exercise, *viz.:* (a) translation of English passages into Latin and composition in Latin; and (b) close scrutiny of selected passages of classic Latin prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Offered in alternate years. Second semester. Omitted 1970–71.

H27. Latin Poetry: Lyric and Pastoral. Intended for students of literature who wish to acquire some knowledge of the influence of Latin poetry on the English literary tradition. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. A half course.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professor Marshall.

28. Virgil's Aeneid. At least three books will be read in Latin, and the whole work will be examined in translation. Three hours of classroom work per week, with one additional hour for students needing more help in the language.

Requisite: Latin 3 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Flory.

41, 42. Advanced Readings in Latin Literature. The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Two hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. Elective for Juniors. First and second semesters. Professor Marshall.

77, D78. Senior Honors Course. Latin 78 is a double course.

First and second semesters.

97, 98. Special Topics.

First and second semesters. The Department.

Colloquia. See page 176.

DRAMATIC ARTS

Professors Boughton (Chairman) and McGoun; Assistant Professor Bierman.

Major Program. Rite majors will complete Dramatic Arts 11 and seven additional courses in Dramatic Arts (selected in conference with the depart-

ment) including two courses in theater production and two courses in dramatic literature.

Honors Program. Honor candidates will include Dramatic Arts 77–78 as two of the seven courses selected.

Distribuiton Sequences. The two-course sequence will consist of Dramatic Arts 11 and either Dramatic Arts 21, 22, 23 or 42. The three-course sequence will consist of Dramatic Arts 11 and either Dramatic Arts 31–32 or two courses selected from Dramatic Arts 21, 22, 23, 42.

11. Introduction to the Theater. A consideration of the materials of creative expression in drama; an appreciation of the playwright's work and how his script is brought to fruition in production. Four hours of classroom work per week.

Elective for Freshmen. First semester. Professors Boughton and McGoun.

21s. Classical Drama. A study of classical traditions in ancient Greek and Rome, Medieval and Renaissance theater. Three hours of classroom work per week.

Second semester. Professor Bierman.

22. Eighteenth and Nineteenth Century Continental European Drama. An examination of the decline of classicism in early eighteenth century theater and the subsequent rise of the middle-class drama, romanticism, realism and naturalism. Three hours of classroom work per week.

Second semester. Omitted 1970–71. Professor Bierman.

23. Problems in Twentieth-Century Drama. For 1970–71, this course will examine the battle of the literate versus the non-literate theater in the twentieth century. It will consider in what directions the continued tension between Establishment and Avant-Garde has moved the theater. Three hours of classroom work per week.

First semester. Professor Bierman.

31. Principles of Dramatic Production. A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Four hours of classroom work per week.

Elective for Sophomores. First semester. Professors Boughton and McGoun.

32. Principles of Dramatic Production. Continuation of Dramatic Arts 31, culminating in public performance. Four hours of classroom work per week.

Requisite: Dramatic Arts 31. Elective for Sophomores. Second semester. Professors Boughton and McGoun.

44. Art of the Film. History of the development of film art by viewing and analysis of significant films from the beginning to the present day, with emphasis on the development of film syntax and the forming of a critical vocabulary. Approximately four hours of classroom work per week: two in film showings and two in a lecture-discussion period.

For 1970–71 (same course as French 44): *The French Film.* A study of the development of French film from Melies and Lumière to the present emphasizing the evolution of film form and the cultural content of the films presented. One lecture, one discussion session, one film-viewing session per week.

Second semester. Professors Bierman and Pini.

51. Seminar in Dramatic Literature. For 1970–71: *The Tradition of Non-literate Theater.* A study of the tradition of non-literate theater and its particular development in the twentieth century avant-garde movement.

Admission with the consent of the instructor. First semester. Professor Bierman.

52. Seminar in Dramatic Literature.

Admission with the consent of the instructor. Second semester. Omitted 1970–71. Professor Bierman.

53. Seminar in Stage Lighting.

Admission with the consent of the instructor. First semester. Professor McGoun.

54. Seminar in Stage Lighting.

Admission with the consent of the instructor. Second semester. Professor McGoun.

55. Seminar in Scene Design.

Admission with the consent of the instructor. First semester. Professor Boughton.

56. Seminar in Scene Design.

Admission with the consent of the instructor. Second semester. Professor Boughton.

58. Seminar in Directing.

Admission with the consent of the instructor. Second semester. Professor Boughton.

77. Conference Course. Conference course for honors candidates in dramatic arts.

Elective for Seniors. First semester. The Department.

78. Conference Course. Continuation of Dramatic Arts 77 for honors candidates in Dramatic Arts.

Elective for Seniors. Second semester. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course. Admission with the consent of the instructor. First semester. The Department.

98, H98. Special Topics. Independent Reading Course. Full or half course. Admission with the consent of the instructor. Second semester. The Department.

ECONOMICS

Professors Aitken, Collery*, Kohler (Chairman) and Nelson; Associate Professors Beals* and R. Cole; Assistant Professors Breneman, Chalmers*, Nicholson and Sears.

Major Program. All students majoring in economics must take Economics 11, 13, 14, 45 (or other preparation in statistics with the consent of the Department), and Mathematics 11. In addition, *rite* students must take Economics 73, 74, and at least one other course in economics, while honor students must take Economics 77, 78, and at least one other course in economics.

Students intending to proceed with graduate study in economics are strongly advised to take Mathematics 12.

Each candidate for a degree in economics will have to pass a comprehensive examination in his senior year. The examination will be given at the end of the first semester. The student will also be examined in May on the content of his thesis.

Distribution Sequences. A two-course distribution sequence in economics will consist of Economics 11 and any other course in economics. A three-course distribution sequence will consist of Economics 11 plus two other courses in economics.

Unless otherwise specified, all courses are open to freshmen.

11. An Introduction to Economics. A study of the central functions and problems of an economic system, of the principles and practices of our economy, and of other forms of economic organization and control. One lecture and three hours of discussion each week.

Requisite for all other courses in economics. First semester. Professor Kohler (Course Chairman).

11s. An Introduction to Economics. Same description as above.

Second semester. Professor Kohler (Course Chairman).

*On leave 1970-71.

13. Money, Banking, and National Income. A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production, and prices. Two lectures and two hours of discussion each week.

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Breneman.

14. The Theory of Price. An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Three meetings per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. Second semester. Professor Nicholson.

21s. Human Resources. A study of manpower economics and welfare policy in the context of the United States economy. Effects of investment in human capital, discrimination, and other economic-political factors on the distribution of income will be explored. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Sears.

23. The Economics of Urban Problems. An inquiry into the nature and causes of the contemporary crisis of urbanized society as evidenced by poverty, slum housing, urban sprawl, traffic congestion, and the pollution of air, soil, and water. The theoretical basis for dealing with these problems is developed. Three class hours per week.

Requisite: Economics 11. First semester. Professor Kohler.

24. The American Economy. An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week.

Requisite: Economics 11. Second semester. Professor Nelson.

25. Monopoly Regulation. The theory of monopoly pricing and price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Three hours of classroom work per week.

Requisite: Economics 11. First semester. Professor Nelson.

27. European Economic History. An examination of the economic development of Europe from feudal times to the present day with emphasis on the evolution of industrialism. Three hours of classroom work per week.

Requisite: Economics 11 and consent of instructor. First semester. Professor Aitken.

28. American Economic History. A study of the economic development of the United States from colonial times to the present day. One two-hour seminar per week.

Requisite: Economics 11 and consent of instructor. Second semester. Professor Aitken.

31s. Public Finance. Emphasis will be on problems of resource allocation, with special reference to non-market economics and to the public sector. Elements from game and decision theory, organization theory, and cost-benefit analysis will be introduced and evaluated in a problem-solving context. Examples will be drawn from the economics of education, medical economics, and the economics of crime.

Requisite: Economics 11. Second semester. Professor Breneman.

32. Problems in Economic History. An advanced seminar in economic history intended primarily to provide further training in analysis, bibliography, and interpretation. One two-hour seminar each week.

Requisites: Economics 11 and either Economics 27 or 28. Limited to fifteen students. Second semester. Professor Aitken.

34. Stabilization Policy. A study of macroeconomics in the context of the United States economy. The approach will take advantage of the student's introduction to the theory of income determination obtained in Economics 13 to construct a model which approximates many of the important behavioral and institutional characteristics of our economy. This model will then be used as an instrument for the analysis of both fiscal and monetary policy. Two lectures and two hours of discussion per week.

Requisite: Economics 13. Second semester. Omitted 1970–71. To be offered 1971–72. Professor Chalmers.

35. The World Economy. An examination into the problems of economic relationships among countries with emphasis on balance-of-payments problems, political problems of trade restrictions, international cooperation, and imperialism. Three class hours per week.

Requisites: Economics 13, or Economics 11 and consent of the instructor. First semester. Professor Sears.

36. Economic Development. An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Case materials from selected countries will be used. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Cole.

38. The Economics of Socialism. A study of the theory and practice of planned economics with particular reference to the Soviet Union and Communist China. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Kohler.

45. Economic Statistics. A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Three class hours per week.

Requisites: Economics 11 and Mathematics 11. First semester. Professor Nicholson.

46. Econometrics. An introduction to some areas of mathematical economics, and to problems of econometric model construction and estimation. Emphasis is placed on the economic content of the methods. Three class hours per week.

Requisite: Economics 45. Second semester. Professor Nicholson.

73. Senior Rite Seminar. Required of senior *rite* majors in economics. First semester.

D74. Senior Rite Seminar. Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are not candidates for Honors. Second semester.

77. Senior Honors Seminar.

Required of all seniors majoring in economics who are candidates for Honors. First semester.

D78. Senior Honors Seminar. Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are candidates for Honors. Second semester.

97, H97. Special Topics. Independent Reading Course. A full course or a half course. First semester.

98, H98. Special Topics. Independent Reading Course. A full course or a half course. Second semester.

Education. See page 177.

ENGLISH

Professors Cameron, Cody, Craig, DeMott, W. Heath (Chairman), Marx and Pritchard; Associate Professors Chickering, Guttmann and Townsend* and

*On leave 1970–71.

Visiting Associate Professor Fetler; Assistant Professors Brinton, Peterson and Sofield*; Mr. Holdreith.

Major Program. The student majoring in English must elect English 11 and English 25 (at least once, preferably before the senior year) and six other semester courses offered or approved by the English Department. He must also pass a comprehensive examination in English that is given in January of the senior year. He should plan his program carefully in consultation with his departmental advisor, taking into account both his own particular interests and needs and the comprehensive examination requirements.

Honors Program. Exactly as above, except that candidates for honors must also elect, in their senior year, English 77–78.

Distribution Sequences. The student may satisfy the requirement for a two-course sequence by electing English 11 and any other course in the Department (except English 21 or English 22). Any third course in the Department (except English 21 or English 22) may be used to create a three-course sequence. Other sequences may be proposed but require the approval of a member of the Department.

N.B. The English Department does not grant advanced placement on the basis of College Entrance Examination Board scores. The character of the departmental offering is not such as to make advanced placement a meaningful idea. English 11 is conceived as a course of interest to students at any level of preparation in the study of English.

Unless otherwise specified, all courses are open to Freshmen.

11. The Study of English. An exploration of the relations between language and experience in a variety of cultural situations. Readings will vary from year to year. Three class hours per week.

Elective for Freshmen. First semester. Professor Pritchard (Chairman) and members of the Department.

21. Advanced Composition. A course in disciplined writing, both verse and prose. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Visiting Professor Fetler.

22. Advanced Composition. A continuation of English 21. One two-hour meeting per week.

*On leave 1970–71.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester.

23s. Composition: The Resources and Limits of General Discourse. An attempt to put together the language of specialized knowledge with the language of general concern. The course will explore, by practice, the creation of a style in which one can connect what one specially knows as a major in any subject with what one generally knows and cares about as a man. Frequently assigned short papers will be the main work and supply the main material (class discussions will be based on mimeographed samples of assigned papers). A final longer paper will move from the consideration of a 20th century autobiographical document (to be selected in conference with the instructor) to an assessment of the student's own intellectual and social life. Two meetings per week.

Elective for Juniors. Second semester. Professor Craig (Chairman) and members of the Department.

25. Discussions of Literature. The course is comprised of small discussion sections, each devoted to a single topic. Topics vary from section to section and from year to year. The common aim is, by taking up and criticizing a single topic, to refine the student's awareness of what constitutes the study of literature.

Elective for Freshmen, unless otherwise restricted. No student will be permitted to repeat English 25 more than once. Each section is limited to fifteen, except as noted. Students should elect a particular section of the course, listing alternates if desired. Admission will be determined by the instructor of the section. Requisite: English 11 or the consent of the instructor. The course may be repeated for credit. English majors are required to take at least one section, preferably before their senior year. First semester.

1. THE LITERATURE OF YOUTH AND MATURITY. Nineteenth and twentieth century studies in growing up. Discussion will involve such topics as the generation gap, hypocrisy, conformity, responsibility, the individual in society. Butler, James, Conrad, Joyce, Hesse, Dos Passos and others. Two one-hour meetings per week. Professor Brinton.

3. SCIENCE AND LITERATURE. A study of some responses of the literary imagination to two critical developments in the history of science: the emergence of the "new Science" in the 17th century and of the theory of evolution in the 19th. Two meetings per week. Professor Craig.

25s. Discussions of Literature. Same course as English 25.

Requisite: English 11 or the consent of the instructor. Elective for Freshmen. Second semester. The course may be repeated for credit.

2. THE GOTHIC NOVEL AND AMERICAN GOTHIC. Beginning with an investigation of the origins and definitions of "Gothic" fiction, a sus-

tained effort will be made to isolate and identify some recurring thematic concerns in Gothic writings. Discussions will concentrate on an examination of the effects of transplanting a European novelistic tradition onto American, and especially Southern, soil. Readings will span developments in England and America, ranging from Mrs. Radcliffe to Iris Murdoch, from Charles Brockden Brown to Flannery O'Connor. Two meetings a week. Mr. Peterson.

4. INTRODUCTORY COMPOSITION. Assigned and free composition in various genres. A short required reading list. One class meeting per week plus tutorial conferences. Second semester. Elective for Freshmen, with the consent of the instructor. Omitted 1970–71. Professor Chickering.

6. SATIRE. Poetry and prose by a variety of satirists from the eighteenth century to the present. Swift, Byron, Hardy, Huxley, Waugh and others. Two one-hour meetings per week. Professor Brinton.

8. THE POETRY OF ORDINARY LIFE. An examination of a group of writers who possess special gifts of vision and feeling when treating prosaic subjects, together with a few writers who illustrate contrasting virtues of the imagination. Class discussion will explore appropriate ways of talking about literary works closely related to the reader's everyday experience. Selected poems by Hardy, D. H. Lawrence, Keats, Wordsworth, Whitman, Philip Larkin and others. Plays and novels of provincial life by Ray Bradbury, Dylan Thomas, Jane Austen, Chekhov, and George Eliot. Two meetings a week. Elective for Sophomores. Professor Chickering.

10. BLACK POETRY OF THE THIRTIES: FRANCE AND AMERICA. A study of the poetry and philosophy of African humanism and Negritude in France and its relationship to the Harlem Renaissance movement in America. Significant works by Damas, Senghor, Diop, Cesaire, McKay, Cullen, Hughes and Toomor will be read in the course. A reading knowledge of French will be useful but not required. Omitted 1970–71.

27. Readings in Medieval Literature. Readings vary yearly. In 1970–71 the course will have three one-month segments: the study of Anglo-Saxon for reading knowledge; selected Anglo-Saxon epic poetry in the original and in translation; medieval tragedy as a literary genre, including such works as *Beowulf*, *Njal's Saga*, and Malory's *Death of King Arthur*. Three class hours per week.

Elective for Freshmen. First semester. Professor Chickering.

28. Chaucer. In 1970–71 selected *Canterbury Tales* will be read in the original. Other English authors whose writing is comparable to Chaucer's will also be read. Three class hours per week.

Elective for Freshmen. Second semester. Professor Chickering.

29s. Introduction to Linguistics. Same course as German 50. One two-hour seminar per week.

Elective for juniors, with consent of the instructor. Second semester. Professor Peppard.

30. Psycholinguistics. Same course as Psychology 36.

Requisite: Psychology 11 and the permission of the instructor. Elective for Sophomores. Limited enrollment. Second semester. Professor Olver.

31. Shakespeare. Readings and discussion. Two class meetings per week.

Elective for Sophomores. First semester. Professor DeMott.

32. Shakespeare. Readings and discussion.

Requisite: English 31. Elective for sophomores. Limited to twenty students. One two-hour meeting per week. Second semester. Omitted 1970–71. Professor DeMott.

33s. Sixteenth Century Literature. Poetry and doctrine; mythology and style; revenge tragedy; comedy; Wyatt, Spenser, Sidney, Ralegh, Kyd, Marlowe, Jonson; some Renaissance humanist writings in translation. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Cody.

34. Seventeenth Century Literature. The major authors of poetry, prose, and drama, including Donne, Jonson, Bacon, Herbert, Milton, Hobbes, and Marvell. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Omitted 1970–71. Professor Cody.

36. Literature and Society, 1660—1740. A study of the prose, poetry and drama of the Restoration and earlier eighteenth century. Principal authors will include Dryden, Swift and Pope; attention will be paid to lesser figures. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Pritchard.

38. Johnson, Burke, and Gibbon. Discussions of literature and literary criticism, history and politics in the late 18th century. Among considerations will be the relation of rhetoric to ideology, the social role of the man of

letters, and the significance of the literary group as a group. One two hour meeting per week.

Second semester. Limited to fifteen students. Omitted 1970–71. Professor Guttmann.

40. The Eighteenth Century English Novel. Readings in Defoe, Swift, Richardson, Fielding, Johnson, Sterne, Smollett, and others. Two one-hour meetings per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Brinton.

43. Readings in Romantic Poetry. A study of selected major poets from Blake to Byron. Two class meetings per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Professor Heath.

47. The Nineteenth Century English Novel. A course of readings in representative English novels, mainly of the nineteenth century. The books read vary from year to year from among such writers as the following: Scott, Jane Austen, the Brontës, Thackeray, Dickens, Trollope, George Eliot, Hardy, James, Conrad, and Lawrence. Three hours of class per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Cameron.

50. Twentieth Century Continental Fiction. Novels by Kafka, Mann, Gide, Sartre, Camus, Pasternak, Genet and Grass are read in this course.

Elective for Sophomores. Second semester. Omitted 1970–71. Professor DeMott.

52. Modern and Contemporary Poetry. Poets to be read include Hart Crane, Stevens, Williams, Auden, Lowell, Jarrell, and Larkin. Three hours of class per week.

Elective for Sophomores. Second semester. Professor Pritchard.

53s. Modern Poetry. A study of the poetry and relevant prose writings of Hardy, Yeats, Pound, the Georgians and Imagists, D. H. Lawrence, Frost and early Eliot.

Elective for Sophomores. Second semester. Omitted 1970–71. Professor Pritchard.

54. Readings in Modern Fiction. A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Thomas Hardy, Joseph Conrad, D. H. Lawrence, and James Joyce are the central figures. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Craig.

56. Literary History of the Great War 1914–1918. The limits of literature studied in relation to the event of war: memoir, journalism, biography, history, fiction, poetry. Some reference to writings on other wars, e.g. Tolstoy, Orwell, Edmund Wilson. One two-hour seminar per week.

Elective for Juniors with consent of the instructor. Limited to fifteen students. Second semester. Professor Cody.

60f. Readings in American Literature. The topic for 1970–71 will be literature and the ecological perspective. Among the writers whose work will be considered are Crevecoeur, Rousseau, Wordsworth, Thoreau, Whitman, Cooper, Frost, Hemingway and Faulkner. Three hours of class per week.

Requisite: at least two courses in American literature (or a course in English or French romanticism). Limited to fifteen students; admission by consent of the instructor. Elective for Juniors. First semester. Professor Marx.

61. American Puritanism. The Puritan strain in American writing, including the work of Taylor, Edwards, Franklin, Hawthorne, Emily Dickinson, Henry Adams, and Robert Lowell. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Marx.

62. American Renaissance. A study of major writers of the mid-Nineteenth Century: Poe, Emerson, Thoreau, Hawthorne, Melville and Dickinson. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Marx.

63. Realism and Naturalism in American Literature. Readings in the work (among others) of Howells, Mark Twain, Henry James, E. A. Robinson, Crane, Dreiser and Hemingway. Three hours of classroom work per week.

Elective for Sophomores. Omitted 1970–71. Professor Marx.

64. Visionary Writers in America. The antinomian strain in American writing from Anne Hutchinson to Allen Ginsberg, including works by Emerson, Hawthorne, Whitman, Henry and William James, Henry Miller and William Carlos Williams.

Elective for Sophomores. Omitted 1970–71. Professor Marx.

65. American Literature: Cosmopolitans and Provincials. The tension between "European" and "native American" perspectives and techniques in the work of Henry James, Mark Twain, Stevens, Frost, Eliot, Williams, Bellow, Faulkner, and Fitzgerald.

Elective for Sophomores. First semester. Professor Guttmann.

66. Race and Ethnicity in American Literature. Racial, ethnic and religious commitments and concerns in American writing, including the work of

Du Bois, Wright, Ellison, Baldwin, Farrell, Henry Roth, Bellow and Mailer.

Elective for Sophomores. Omitted in 1970–71. Professor Guttmann.

67. Black Autobiography. A study of major autobiographical works by black American authors in light of their struggle for survival as men of letters in a white cultural millieu. Autobiographical and other pertinent writings by Douglass, Du Bois, Wright, Malcolm X, Hughes and Cleaver will be discussed.

Elective for Juniors. Limited to twenty students. First semester. Omitted 1970–71.

69. Contemporary Cultural Studies. Topics in 1969 included "new journalism," participation theater, the anthologies war, literary and subliterary accounts of space exploration, the discovery of the black experience, pop-historical definitions of "the Sixties." Writings by Barth, Bellow, Mailer, Malcolm X, Nabokov, Pynchon, and others of recent reputation figure in the work of this course. One two-hour meeting per week.

Elective for Sophomores. Limited to 15 students. First semester. Professor DeMott.

70. Tragedy. Plays by Sophocles, Shakespeare, Ibsen, Hofmannsthal, Camus, Sartre, Giraudoux, and Anouilh are read in this course. One two-hour class meeting per week.

Elective for Sophomores. Limited to fifteen students. Second semester. Professor DeMott.

72. Comedy. Plays by Shakespeare, Molière, Congreve, Chekhov, Ibsen, Shaw, Sartre, Ionesco, and Beckett are read in this course. Two class meeting per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor DeMott.

74. Topics in the Novel. The topic for 1970–71 will be "Character in the Novel." Novels by Turgenev, Dickens, Flaubert, Dostoevsky, Tolstoy, James, Proust, and others including contemporary novelists, will be read. Three hours of class per week.

Elective for Sophomores (and Freshmen who have taken English II with permission of the instructor). Second semester. Professor Cameron.

75s. English and Education. A consideration of the place of English in general culture, and in the curricula of secondary schools and colleges. Literary and pedagogical works will be read. One two-hour seminar a week.

Elective for Juniors. Limited to fifteen students. Second semester. Professor Heath.

76. An Introduction to Literary Studies. A study of the criticism and, where relevant, the poetry of Johnson, Coleridge, Arnold, Eliot, Leavis, Frye, and others.

Elective for Sophomores. Second semester. Omitted 1970–71. Professor Townsend.

77. Senior Tutorial. Weekly meetings with a tutor assigned by the Department. Open to senior English majors. First semester. The Department.

78. Honors Tutorial. Weekly meetings with a tutor assigned by the Department. Requisite: English 77. Second semester. The Department.

97. Special Topics. Independent Reading Course.
First semester.

98. Special Topics. Independent Reading Course.
Second semester.

EUROPEAN STUDIES

Advisory Committee: Professors Birnbaum and Carre; Associate Professor Ratté; Assistant Professors Peterson and Westfall.

European Studies is a major program which provides opportunity for interdisciplinary study of European culture. By combining work in the humanities and social sciences, it enables students to examine diverse facets of European culture and to seek those elements which give it its unity and distinctiveness.

Major Program. The student intending to major in European Studies will declare his intention no later than the spring of his sophomore year. To be accepted into the program the student must demonstrate his ability to read creative and scholarly literature in at least one modern European language. In consultation with the Committee on European Studies, he will plan a program which must include two one-semester interdisciplinary colloquia in European Studies. As a rule, one colloquium will be taken in the junior year and one in the senior year. In addition, he must elect at least six courses from Divisions I and II in keeping with one of the following schemata: a national cultural experience (e.g. that of modern England); a comparative cultural experience (e.g. French and German institutional development since 1870); or a temporal sequence (e.g. Europe in the Age of the Religious Wars). A junior year abroad devoted to a course of study approved by the Committee on European Studies may substitute for the required colloquia and part of the remaining requirements of the major.

For 1970–71, students should consult with members of the Advisory Committee to determine other courses which constitute an appropriate European Studies program.

Honors Program. Same as Major Program, except that candidates for honors must elect, as part of their senior year program, European Studies 77 and D78.

Comprehensive Examination. The comprehensive examination will be administered by an examining board of three persons appointed by the Committee on European Studies. It will be framed to fit each student's particular program, taking into account the student's own view of the aim or thrust of his program. It will consist of a written examination to be followed by a supplementary oral examination.

27. Colloquium in History and Anthropology. (Also listed as History 27 and Anthropology 51.) A comparison of the uses of the disciplines of history and anthropology with reference to Western political institutions, 1250–1750. Emphasis will be placed upon analysis, historical and anthropological, of political rituals (royal coronation and funeral ceremonies), political symbols (the body politic, the crown) social class and mobility, and cultural conceptions of time and change. Reading knowledge of French and/or German is desirable, but not required.

Limited to twenty students. First semester. To be offered only once. Professors Munn and Weary.

77 and D78. Senior Honors Course. Preparation of an honors thesis. A single and a double course.

Elective for Seniors with the consent of the Committee on European Studies. First and second semesters.

FINE ARTS

Professors Schmalz and Trapp (Chairman); Visiting Lecturer Stankiewicz; Assistant Professors Oxman and Westfall; Mr. Roberson; Visiting Instructor Batchelder.

Major Program. A major in fine arts consists of eight full courses in fine arts, one of which must be taken in studio work (see below), and a comprehensive examination. Additional work in studio beyond the 15 level may also count toward fulfillment of the major requirements. A *rite* major may by departmental permission elect a 77–78 program of individual work as a

senior. Depending on the individual student's objectives, a limited number of courses in other departments may, with departmental approval, be accepted in partial fulfillment of the major requirement.

Honors Program. Honors in fine arts shall consist of eight full courses in fine arts, one of which must be taken in studio work (see below), plus Fine Arts 77–78, and a comprehensive examination. Normally, as a minimum, either Fine Arts 47 or Fine Arts 48 will be included in the student's elections within the Department. Note: A certain amount of work at the neighboring institutions is acceptable, at the discretion of the Department, for fulfillment of the major program.

Distribution Sequences.

a. Two-course sequences: Fine Arts 11 or 11s plus one other course in art history; Fine Arts 15 plus one other course in studio.

b. Three-course sequences: Fine Arts 11 or 11s plus two other courses in art history; Fine Arts 15 plus two other courses in studio, one of which would normally be 23, 27, or 29.

11. Introduction to the History of Art. The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours per week.

Elective for Freshmen. First semester. Professor Trapp.

11s. Introduction to the History of Art. Same description as Fine Arts 11. Three hours per week.

Elective for Freshmen. Second semester. Professor Schmalz.

15. Introductory Studio. An introduction to the basic principles of art through the study of the visual vocabulary. Studio experiments with a variety of art media. Projects in two and three dimensions. Two one-hour class periods per week, plus outside assignments. No prior studio experience is required or special talent expected.

Elective for Freshmen. Limited to fifty students. First semester. Professor Oxman.

15s. Introductory Studio. Same course as Fine Arts 15.

Elective for Freshmen. Limited to fifty students. Second semester. Professor Oxman.

22. Three-Dimensional Design. Examination of three-dimensional and structural concepts. Organization of space developed through constructions in a variety of materials. Two two-hour class periods per week.

Elective for Sophomores and Freshmen. Limited to thirty students. Second semester. Professor Oxman.

23. Introductory Sculpture. A studio course designed to explore the basic principles of sculpture. Life and portrait modeling preparatory to individual creation. Aesthetic analysis of works of sculpture.

Limited to twenty-five students. First semester. Professor Oxman.

25. Introductory Serigraphy. A series of problems designed to provide students with practice in the several basic techniques of silk screen printing, and to acquaint them with its varied possibilities for original creative expression. Contemporary idioms will be emphasized. Two two-hour studio periods per week, plus additional studio time.

Requisite: Fine Arts 15, 22, or consent of the instructor. Limited to fifteen students. Elective for Sophomores. First semester. Professor Schmalz.

27. Visiting Artist's Studio. The general tone and character of the course will be determined by the visiting artist. The specific problems and their sequence will be established with the interests of both the visting artist and his individual students in view. Two afternoon meetings per week plus outside work.

Limited to thirty students with consent of the visiting artist. First semester. Mr. Stankiewicz.

28. Visiting Artist's Studio. Same course description as Fine Arts 27.

Limited to thirty students with consent of the visiting artist. Second semester. Mr. Stankiewicz.

29s. Photographic Vision and Design. An introduction to the camera as an artistic means based on a series of studio problems in light, motion, optical control, visual selectivity and photographic composition. Special projects will be arranged for those students who have had prior experience in photography. Two afternoon meetings per week plus outside assignments.

Limited to twenty students with consent of the instructor. Second semester. Mr. Batchelder.

30. Ancient Arts. A comparative study of the emergence, development and diffusion of artistic styles in the East and the West from pre-historic times to the early Christian era. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. Second semester. Mr. Roberson.

33. Renaissance Art. A selective examination of the form and content of European art from the early 15th to the end of the 16th centuries, with emphasis upon the major artists of Italy. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. Professor Westfall.

34f. Baroque and Rococo Art. A study of major figures and movements in European art of the 17th and 18th centuries, including such masters as Rubens, Bernini, Rembrandt and Goya. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. First semester. Mr. Roberson.

37. The Origins of the Modern Movement. A selective examination of major figures and movements in the development of European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. One seminar meeting per week. Outside reading and written assignments.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. Omitted 1970–71. Professor Trapp.

38. American Art. American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Mr. Roberson.

39s. Modern Art. A selective examination of major figures and movements in the development of modern art from Post-Impressionism to the present. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. Second semester. Professor Trapp.

40. History of the City. An investigation of the development and historical importance of cities, especially from the Renaissance to the present day. The analytical technique and literature of art history will be used. Emphasis will be placed upon the forms of city plans and of urban architecture in their relationship to cultural, historical, and environmental factors. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s; or History 11 or 11s and permission of the instructor. Second semester. Professor Westfall.

43s. The Heritage of African Art. The aim of this course is two-fold: (a) to determine and describe on a selective basis formal and cultural relationships between traditional African arts and the arts of the New World Blacks; and (b) to formulate feasible areas of artistic inquiry of value for Black Studies at Amherst College. Two meetings per week.

Elective for Freshmen, with the consent of the instructor. Limited to fifteen students. Second semester. Professor Trapp.

47. Problems in Criticism and Connoisseurship. A study of original works of art, chiefly from the college collections, intended to sharpen visual per-

ception, establish critical principles and clarify verbal judgments. Emphasis will be placed on modern examples. Three hours of classroom work per week. With permission of the instructor, this course may be repeated.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. First semester. Professor Schmalz.

48. Topics in Art History. A critical examination of a variety of historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. Second semester. Professor Westfall.

77, D77; 78, D78. Conference Course. Senior Honors. Preparation of an honors thesis or completion of a studio project.

The student shall with the consent of the Department elect to carry one semester of his honors work as a double course weighted in accordance with the demands of his particular project. Elective for Seniors with the consent of the Department. First and second semesters.

97, H97, 98, H98. Special Studies for Student Majoring in Fine Arts.

Full or half course. First and second semesters. The Department.

FRENCH

Professors Carre (Chairman), French and Giordanetti; Assistant Professors Pini and A. Ryerson; Mrs. Watkins and assistants.

Major Program. The Department of French aims at flexibility and response to the plans and interests of the French major within a structure that affords diversity of experience in French literature and continuous training in the use of the language.

A major in French (both *rite* and honors) will normally consist of (a) eight courses within the Department or (b) six courses within the Department and two related courses chosen with departmental approval. All courses offered by the Department above French 5 may count for the major. The one rule of selection is that two of the six or three of the eight courses submitted for the major must be chosen from offerings in French literature before the nineteenth century.

Each major is encouraged to follow at least one independent reading course in the Department as part of his major program.

Upon request to the Department by students (majors or non-majors) a group seminar may be organized in any form and concerning any topic agreed upon by the participating students and teachers.

The minimum level of competence in the language for a French major is that represented by superior work in French 8 or by passage of a proficiency examination set by the Department, normally by the end of the sophomore year. To develop further his expressiveness and clarity in written French, the major must choose a) to take a special course in French stylistics; b) to take a literature course in which particular attention will be given to the written work of the French majors; or c) to meet regularly with a member of the Department to work on problems of writing.

The comprehensive examination—written and oral—required of all majors, is given in March of the senior year. The areas of examination in the comprehensive will be chosen normally during the junior year by the individual major in consultation and agreement with his major advisor.

Honors Program. In addition to the major program described above, a candidate for departmental honors must present a thesis and sustain an oral examination upon the thesis. He will elect D78 in the second semester of his senior year.

Combined Majors. Course programs for a joint major in French and Spanish, or French and Italian, or French and other languages are arranged by the student in consultation with the instructors in those languages.

Interdisciplinary Majors. Interdisciplinary majors are established through the College Committee on Interdisciplinary and Special Study with the endorsement and cooperation of the Department or with the approval of individual members of the Department.

Foreign Study. A program of study approved by the Department for a junior year in France has the support of the Department as a significant means of enlarging the major's comprehension of French civilization and as the most effective method of developing mastery of the language. Four Amherst French courses will be the minimum required for a major who has spent a junior year abroad.

Distribution Sequences. French 11, 12, and 15 (15s) are recommended as basic courses for a two-course distribution sequence, either in combination with one another or with any other course offered by the Department. Other two or three-course sequences may be arranged in consultation with the Department.

1. Elementary Course. Grammar, pronunciation, oral practice. Three hours a week for explanation and demonstration, three hours a week in small sections and laboratory for oral practice.

Elective for Freshmen. First semester. Professor Ryerson and assistants.

3. Intermediate Course. Review of grammar and pronunciation; oral practice. Reading and analysis of literary texts. Three hours a week for explanation and demonstration, three hours a week in small sections and laboratory for drill in aural comprehension of the language.

Elective for Freshmen. First semester. Mrs. Watkins and assistants.

3s. Intermediate Course. Same description as above.

Elective for Freshmen. Second semester. Mrs. Watkins and assistants.

5. Language and Literature. The purpose of the course is to bridge language competence and the critical appreciation of French literature in its original form. Training in fluent reading and in aural comprehension, practice in the fundamentals of oral and written expression. Reading of significant fiction, plays, and essays from the modern period. Three hours a week in class and three hours a week in small sections and laboratory for oral and aural drill. Conducted in French.

Elective for Freshmen. First semester. Professors Pini, Ryerson, Mrs. Watkins and assistants.

5s. Language and Literature. Same description as above.

Elective for Freshmen. Second semester. Professor Carre.

8. Composition and Conversation. A review of French grammar with practice in set translation and free composition; oral reports and discussion on selected topics. Three hours a week of composition and two of oral practice.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Pini and assistants.

11. Introduction to French Literature through the Seventeenth Century. Reading and discussion of selected texts from *La Chanson de Roland* through the Age of Classicism. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Giordanetti.

12. Introduction to French Literature since the Seventeenth Century. Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials from the twentieth century. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Giordanetti.

13. Major French Novelists. Choice of novelists and works may vary each year. In 1970–71 selected works of Blazac, Flaubert, and Stendhal will be read and discussed in the context of the theme: the conflict of the individual's double relationship to himself and to society. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Ryerson.

14. Studies in French Stylistics. A study of French literary styles. Practice in free composition and in translation of examples of a variety of styles. Textual analyses and oral reports on related topics. Three hours a week in class and two in small sections. Conducted in French.

Requisite: Satisfaction of the language requirement in French. One literature course or its equivalent is recommended, though not required, before taking French 14. Elective for Freshmen. Second semester. Omitted 1970–71.

15. Aspects of Modern Literature. An introduction to modern French literature with emphasis on the ways in which reality is perceived by representative poets, playwrights, and novelists of the twentieth century. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Carre.

15s. Aspects of Modern Literature. Same description as above. Elective for Freshmen. Second semester. Professor Ryerson.

25s. French Literature of the Renaissance. Readings in Rabelais, Montaigne and the poets of the sixteenth century. Conducted in French. Three hours of classroom work a week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1970–71.

27. French Classic Tragedy—Corneille and Racine. A detailed study of the history and theory of French classic drama, with an analysis of the principal tragedies of Corneille and Racine. The philosophies of Descartes and Pascal are studied as background for the tragic authors. Three hours of classroom work a week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1970–71.

28. French Classic Comedy—Molière. A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in La Fontaine and Boileau. Three hours of classroom work a week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester Omitted 1970–71.

29. The French Classical Drama: A Study in Power Relationships. An analysis of plays by Corneille, Racine, and Molière with particular reference to changing views about power in the seventeenth century—understood in terms of politics and interpersonal relationships. The passage from the baroque morality of the aristocracy to the tragic values of the age of absolute monarchy and the critical ethics of the bourgeoisie will also be illustrated by readings from Descartes, Pascal, and La Bruyère. The course will examine the extent to which language and structure in the plays reflect the ideological battles of the Fronde, of Jansenism, and of the Quarrel of the Ancients and the Moderns. Three hours of classroom work a week. Conducted in French.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. To be offered only in 1970–71. Professor Pini.

31. The Age of the Enlightenment. A study of the literature of the eighteenth century from the Regency to the Revolution, its relations to the intellectual, esthetic, and social changes of the Enlightenment, the development of new literary forms. Particular emphasis will be given to Voltaire, Rousseau, and Diderot. One three-hour meeting a week; discussion, oral reports, one term-paper on individual related topics.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1970–71. To be offered 1971–72. Professor Giordanetti.

33. The Romantic Imagination. A study of the origins and development of the European phenomenon of Romanticism of the early nineteenth century. The movement will be considered in several of its manifestations, in music, painting and architecture in addition to literature. One three-hour seminar a week; one term paper on individual related topics. Conducted in French.

Enrollment limited to fifteen students. Please consult instructor before enrolling. First semester. Professor Giordanetti.

35. Tradition and Anti-Tradition in the Twentieth Century French Theater. An analysis of plays and dramatic theories: Claudel and Giraudoux as representatives of the tradition; Jarry, Artaud, Ionesco, and Beckett as makers of a new theater. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1970–71. To be offered 1971–72.

36. Major French Prose Writers. Choice of writers will vary from year to year and will not duplicate French 13. In 1970–71: metaphysics, morality and art as seen by various thinkers through the history of French letters, from Pascal and LaRochefoucauld to Bergson, Camus and Fanon; relevant prose selections from such poets as Baudelaire and Valéry, and thoughts on art from Proust and Malraux. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Ryerson.

37. Camus and Sartre. Existentialism and *engagement.* Readings and discussion of the major works, literary and theoretical, of the two authors, concluding with an examination of the controversy that opposed Camus to Sartre and the *Temps Modernes* group on the nature of the artist's commitment to society. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Carre.

H38. Mauriac. Readings in the works of François Mauriac. One hour of classroom work a week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Giordanetti.

40. Modern French Poetry. A study of the principal poetic movements of the nineteenth century and the first part of the twentieth century, with particular attention to the poetic practice of Baudelaire, Rimbaud, Mallarmé and Apollinaire. Three meetings a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Omitted 1970–71. To be offered 1971–72. Professor Carre.

41. Apollinaire and Modern Movements in Art and Literature. A study of Guillaume Apollinaire as poet, theoretician, spokesman and moving force of the new art in France during the first two decades of the twentieth century. An inquiry into the relationships of art and literature with particular attention to Cubism, Futurism, and Dadaism. Three hours of classroom work a week. Conducted in French.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1970–71. To be offered 1971–72. Professor Carre.

42. Proust. An interpretive study of *A La Recherche du Temps Perdu* in its entirety, in the context of certain permanent Proustian themes: the sub-

jection of the individual to habit and social ritual, the conflict of knowledge and innocence, and the relation between the imagination and reality. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1970–71.

44. The French Film: The Social Content. (Given in conjunction with Dramatic Arts 44). An inquiry into the content of a number of French films from Méliès and Lumière to Godard and Truffaut, in terms of their relevance to chosen aspects of French society. Life styles, values and aspirations of various sections of the French population as seen by these film-makers will be examined. The relationship of some of the trends in the French cinema to literary movements will be noted as will be the structure of the French movie industry. One two-hour viewing session a week; one and one-half hour joint lecture session a week (conducted in English); one and one-half hour seminar session a week (conducted in French).

Requisite: Satisfaction of the language requirement in French. Second semester. Professors Bierman and Pini.

46. New Critical Approaches to Literature. Experiments in the practice of criticism by applying the methods of a spectrum of critical viewpoints to specific works of literature. The case method will be used to examine the work of such representatives of *la nouvelle critique* as Sartre, Bachelard, Lucien Goldmann, Georges Poulet, Roland Barthes, Jean-Pierre Richard, Charles Mauron, and Emilie Noulet. The range to be explored extends from Marxist determinism to a persuasion that the work of art is independent of societal formation. The course will conclude with a critique of critical approaches by the student and a statement and explanation of his own critical attitude. Oral reports and a term paper. Conducted in French. One three-hour seminar a week.

Requisite: An introductory course in French literature. Elective for Sophomores with the consent of the instructor. Second semester. Professor Carre.

77. Conference Course for Seniors.
First semester. The Department.

D78. Conference Course for Seniors. A double course.
Second semester. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course. Approval of the department chairman is required. First semester.

98, H98. Special Topics. Independent Reading Course. Full or half course. Approval of the department chairman is required. Second semester.

AMHERST COLLEGE

GEOLOGY

Professors Brophy†, Foose (Chairman); Associate Professor Belt; Assistant Professor Kuntz.

Major Program. Course requirements for majoring in geology generally include Geology 11, 24, 31, 32, 41, and 51. (Students with adequate background may be excused from Geology 11.) In addition, each major will engage in at least one semester of independent study and research and write a senior thesis, either under the honors program or as a special topic. Majors should plan a program to include courses in mathematics, chemistry, physics and/or biology, depending upon their specific interests, preparation and abilities within the field of geology and related sciences.

Students contemplating a major in geology, or whose interests are directed towards geochemistry, geophysics or oceanography, should discuss their interests with the staff as early as possible, in order to elect a proper program of study.

Early in the second semester of the senior year, each major shall take a comprehensive examination, both written and oral. Part I will encompass those subjects considered to form the basic body of knowledge in the science. Part II will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III will be an oral examination by the staff and invited guests.

Students proceeding to graduate school should take the graduate record examination early in their senior year and should be aware that some graduate schools require reading proficiency in two languages (usually French, German, or Russian), and attendance at an accredited summer field camp in geology.

Honors Program. For a degree with honors, a student must have demonstrated ability to pursue independent work fruitfully and exhibit a strong motivation to engage in research. A thesis subject may be chosen in the junior year and must be chosen within the first two weeks of the senior year. Geology 77, 78 involves independent research in the field or the laboratory that must be reported in a dissertation of high quality, due in April of the senior year.

Distribution Sequences. For fulfillment of the general distributional requirements, the following are suggested for non-geology majors. As a two-semester sequence, Geology 11 and 22 or 11s and 23 are designed to be relevant in an age in which most educated persons may expect to travel extensively and to observe or be intimately involved with many aspects of the earth. As a three-course sequence, Geology 11, 22, and 23 would be

†On leave first semester 1970-71.

ideal. In order to meet specific interests, however, the third course may be Geology 24 or 42.

Unless otherwise specified, all courses are open to any student having requisite experience.

11. Principles of Physical Geology. A study of the geologic processes operating on and under the earth's surface, and the character and origin of the earth's major features and its mineral resources. Principles will be studied and major features examined both in the laboratory and the field. Four hours class; three hours laboratory (or field) work each week, and one all-day field trip.

First semester. Professor Foose and Staff.

11s. Principles of Physical Geology. Same as Geology 11.

Second semester. Professor Brophy and Staff.

22. Geology of the Ocean Basins. The following major subjects will be discussed: Origin of the ocean basins, their depth, shape and configuration; hypotheses of sea-floor spreading and plate (crustal) deformation; environments of deposition on the shelf, slope, rise, and abyssal plain; beach and nearshore processes; tides, waves, and currents; dynamics of physical, chemical, and organic changes in the oceans. Three hours class and three hours laboratory, field or seminar each week.

Requisite: Geology 11 or permission of the instructor. Second semester. Professor Foose and staff.

23. Geomorphology and Environmental Geology. Interpretation of land forms and their development by geological processes, tectonic activity, and climate. Principles of water resource development. Geologic factors critical to man-made structures. Evaluation of natural and man-made factors making changes in the environment, such as geological hazards, (landslides, earthquakes, etc.), disposal of solid and liquid pollutants and urban growth. Three hours class and three hours laboratory (or field) each week.

Requisite: Geology 11 or permission of the instructor. First semester. Professors Belt and Foose.

24. Mineralogy. The study of minerals with emphasis on crystallography, crystal chemistry, and chemical-structural classification. The course will require identification of minerals and knowledge of their distribution, origin, and use. Laboratory studies of chemical and physical properties of minerals useful in mineral identification, including X-ray diffraction. Three hours class and three hours laboratory work each week.

Requisite: Geology 11 or permission of the instructor. Second semester. Professor Brophy.

31. Optical Mineralogy and Sedimentary Petrology. The optical properties of isotropic, uniaxial and biaxial minerals in polarized light. Diagnostic optical properties and recognition of the common rock-forming minerals in thin section.

A study of ancient sediments and their modern analogs. Emphasis is placed on the dynamic processes of transport, deposition, interaction between organisms and sediment, and diagenesis. Regional interpretation and principles of stratigraphic correlation. Three hours class and three hours laboratory each week.

Requisite: Geology 24. First semester. Professors Belt and Kuntz.

32. Metamorphic and Igneous Petrology. A study of metamorphic and igneous processes and environments. The application of chemical principles and experimental petrology are stressed. Identification, analysis and mapping of metamorphic rocks in the field. Three hours lecture and four hours laboratory per week.

Requisite: Geology 31. Second semester. Professor Kuntz.

41. Structural Geology. A descriptive and analytical study of sedimentary and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will be studied and mapped in the field in areas of sedimentary and metamorphic rocks during the laboratory. Three hours class and four hours laboratory each week.

Requisite: Geology 32 or permission of the instructor. First semester. Professor Foose.

42. Invertebrate Paleontology. A study of invertebrate organisms and their development through geologic time, as indicated by the fossil record. Ecology of ancient faunas, population analysis, influence of organisms on sediments, and the use of fossils in solving biostratigraphic problems. Three hours class and three hours laboratory each week.

Requisite: Geology 11 or Biology 24. Second semester. Offered in 1970–1971 and in alternate years. Professor Belt.

43. Geochemistry. The application of chemical principles to geological processes and environments. Chemical equilibrium, thermodynamics and mineral stability. Phase equilibria in igneous and metamorphic reactions; the chemistry of ore-forming solutions; oxidation-reduction in surface environments, isotopes as marine environmental indicators, and the geochemical activities of micro-organisms are stressed. Three hours class and three hours laboratory each week.

Requisite: Geology 32, Chemistry 12 or permission of the instructor. First semester. Offered 1970–1971 and in alternate years. Professor Kuntz and others.

45. Vertebrate Paleontology. The evolution of vertebrates as shown by the study of fossils and the relationship of environment to evolution. Three hours class and four hours laboratory work each week.

Requisite: Geology 11 or Biology 24f. First semester. Omitted 1970–1971.

47. Geophysics. Application of the physical principles of gravity, magnetism, electricity, and seismic and sonic wave propagation to the interpretation of rock types and structure of the earth's crust. Principles of geophysical exploration and the interpretation of geophysical data. Three hours class and three hours laboratory each week.

Requisite: Geology 32 and Physics 14, or permission of the instructor. First semester. Omitted in 1970–1971. To be offered 1971–1972 and in alternate years. Staff.

46. Economic Geology. Origin, occurrence, distribution, uses, and production of mineral fuels, metalliferous minerals (ore deposits), and industrial minerals (non-metallics). Laboratory devoted to studies of important mining districts, examination of raw materials and their geologic relations, and to a solution of geologic problems related to their occurrence. Three hours class and four hours laboratory each week.

Requisite: Geology 32 and 41. Second semester. Omitted in 1970–1971. To be offered in 1971–1972 and in alternate year. Professors Brophy and Foose.

51. History and Dynamics of the Crust and Mantle. Through the mechanism of lectures, seminars, field study and independent research dealing both with major areas of the globe and with fundamental processes (such as pluton emplacement and crustal movement) the origin and development of the crust and mantle will be explored. Three hours class, two hours laboratory (or field), and one hour seminar each week.

Requisite: Geology 41. First semester. Staff.

77, 78. Geology Honors. Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required.

Elective for seniors who meet the requirements of the honors program. First and second semesters. The Staff.

97, H97, 98, H98. Special Topics. Independent reading or research. A written report will be required. Full or half courses.

Approval of the departmental chairman is required. First and second semesters. The Staff.

AMHERST COLLEGE

GERMAN

Professors Peppard (Chairman), Scenna and White and assistant.

Major Program. The major must include the following courses: German 10, 11, 21, 23, 24, 26, 38 or 40, 97 or 98.

A major in German will take a written examination in the seventh week of the second semester of his senior year. A reading list will be provided to aid in the preparation for this examination.

Honors Program. In addition to the courses required for a *rite* major, candidates for honors must complete German 77, 78, and must present a thesis. They are urged to study an ancient or one other modern foreign language.

The aim of honors work in German is to offer the candidate the opportunity (a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work; (b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay; (c) to acquire a general view of the history and development of German literature or language.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Distribution Sequences. A two-course sequence will consist of German 11 plus one higher numbered course. A three-course sequence will consist of German 11 plus two higher numbered courses.

1. Elementary Course. Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration and three hours per week in the language laboratory for oral practice.

Elective for Freshmen. First semester. Professor Peppard.

3. Intermediate Course. Review of grammar and pronunciation, oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, and three hours per week in small sections for drill in comprehension of the spoken language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test.

Elective for Freshmen. First semester. Professor White.

3s. Intermediate Course. Same description as above.

Requisite: German 1, or its equivalent. Elective for Freshmen. Second semester. Professor Peppard.

5. Advanced Course. Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on comprehension of the spoken language and oral drill. Conducted in German.

Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. Elective for Freshmen. First semester. Professor Scenna.

Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.

10. Advanced Composition and Conversation. Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Three hours per week.

Requisite: consent of the instructor. Elective for Sophomores. Second semester. Offered in alternate years. Professor White.

11. Introduction to German Literature. Reading and discussion of selected literary texts. This course will be conducted in German. Three hours of classroom work per week.

Requisite: satisfaction of the language requirement. Elective for Freshmen. First semester. Professor Scenna.

11s. Introduction to German Literature. Same description as above.

Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. Elective for Freshmen. Second semester. Professor Peppard.

21. German Literature of the Eighteenth Century. The development of German Literature from the middle of the eighteenth century to the beginning of the nineteenth. Selected readings from the works of Lessing, Wieland, Goethe, Schiller, and the Sturm und Drang. Conducted in German. Lectures and discussion. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor Peppard.

23. Goethe's Faust. *Faust*, Parts I and II. A study of the Faust legend, lectures, and assigned readings. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor Scenna.

24. German Romanticism. Studies in the Romantic movement in Germany, with readings from Tieck, F. Schlegel, Brentano, Kleist, Hoffmann, and

Heine. Lectures and discussion. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Freshmen. Second semetser. Offered alternately with German 26. Professor Scenna.

26. German Literature from Romanticism to the Turn of the Century. The development of German Literature from the death of Goethe through the period of Naturalism. Selected readings, lectures, and discussion. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. Second semester. Offered alternately with German 24. Omitted 1970–71.

35. Studies in Twentieth Century Prose. Readings in major writers such as Thomas Mann, Franz Kafka, and Hermann Hesse. Conducted in English. Students may read in the original or in translation according to their command of the language. Three hours per week.

Elective for Sophomores. Offered in alternate years with German 37. First semester. Omitted 1970–71.

37. German Literature in Translation. Selected works of German literature in a rapid survey from the medieval period to the present. Readings in the original may be assigned for those with sufficient command of the language. Three hours per week.

Elective for Juniors. First semester. Offered in alternate years. Professor White.

38. German Drama of the Twentieth Century. Studies in German drama of the period with emphasis on the Expressionists. Brecht, and post-World War II dramatists. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Juniors. Second semester. Offered in alternate years with German 40. Omitted 1970–71.

40. German Poetry of the Twentieth Century. Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, the Expressionists, and post-World War II poets. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Juniors. Second semester. Offered in alternate years. Professor White.

50. Introduction to Linguistics. A general introduction to structural and transformational linguistics. One two-hour seminar per week.

Elective for Juniors, with consent of the instructor. Second semester. Professor Peppard.

77, 78. Honors Course for Seniors.

First and second semesters. The Department.

97. Special Topics. Independent Reading Course.
First semester. Professor Peppard.

98. Special Topics. Independent Reading Course.
Second semester. Professor Scenna.

Greek. See page 94.

HISTORY

Professors Commager, Davis, Giffordt, Greene, Halstedt, Hawkins, Rozwenc, and Ward (Chairman). Associate Professors Cheyette*, Czap, Levin, Petropulos, R. Moore, and Ratté. Assistant Professors Lees and Weary.

Major Program. Every student choosing history as his major field of study is assigned a departmental advisor who helps him define a primary and secondary field of concentration. A primary field involves the equivalent of four semester courses, a secondary field the equivalent of two semester courses; both can be organized either chronologically or topically. (For example: European history since 1815, Russian history, American history; or intellectual history in Europe and America, or the comparative history of modernization in Russia, Japan, the Middle East, and Africa.) As the character of the concentration is progressively defined through course work and consultation, courses in other departments or programs of independent reading may be advised and accepted as fulfilling major requirements.

Requirements include History 11 or 11s, eight additional semester courses in history, an essay in each field of concentration, and an oral examination to be taken in the spring of the senior year.

Honors Program. Candidates for honors will include History 77–78, the writing of a thesis, among their eight departmental courses beyond History 11 or 11s. With special permission History 77 and/or 78 may be taken by non-honors candidates.

Distribution Sequences. A two course sequence may be fulfilled by History 11 or 11s and a course of the student's selection, or two related courses (see below). A three course sequence may be fulfilled by History 11 or 11s and two related courses, or by two related courses and an advanced course in the same historical subject.

* On leave 1970–71.
† On leave first semester 1970–71.

Related courses: Courses may be related by area (e.g., History 21–22, 41–42, 45–46 or 47s, 51–52, 55–56), by period (e.g., History 23–24, 31–32f, 33–34, 37s–38f), or by theme (e.g., modernization, History 47s–53s; intellectual history, History 34–72; revolution, History 42–61). The student may also design a sequence according to his intellectual interests but must receive the approval of the Chairman of the Department.

Unless otherwise specified all courses are open to freshmen.

11. Introduction to Historical Study. The Department's introductory course aims at providing instruction in the reading of history. The course centers upon a classic work of historical literature which treats an important era of history and which is especially suited to reveal the characteristics of the historian's task.

In 1970–71, the work will be Carl Becker's *Heavenly City of the Eighteenth Century Philosophers.* The book is first studied in relation to earlier historians' treatments of the same subject, and then in relation to the life and times of its author. The greater portion of the course is then devoted to studying the ways in which recent historical writing has dealt with several significant themes arising from the book.

Required of all majors. Majors and prospective majors are advised to take this course as early as possible. First semester. Professors Czap, Lees, and Ratté.

11s. An Introduction to History. Same course as History 11.

Second semester. The Department.

21. The Development of European Society I. Introduction to some of the major problems of western European history c. 1000 to 1715.

First semester. Professor Weary.

22. The Development of European Society II. Topics in the history of Europe from the early eighteenth century through the early part of the twentieth: the Old Regime and its enlightened critics; the political and economic revolutions in France and England and attitudinal responses to them; the emergence of new nation states and the development of national societies during the second industrial revolution; imperialism and war.

Second semester. Professor Lees.

23. Medieval Society. An introduction to medieval European society. Readings and discussion on selected topics of institutional and social history, concentrating on the period from the 11th to the 13th century. Two one-and-one-half hour class meetings per week.

First semester. Omitted 1970–71. Professor Cheyette.

24. The Medieval Intellectual. The structure of study and the diffusion of ideas as seen through the writings of selected theologians, philosophers,

poets, historians, and lawyers. The course will cover the entire period from Augustine to the fourteenth century. A reading knowledge of French will be useful, but not required.

Second semester. Omitted 1970–71. Professor Cheyette.

25s. The European Mind: Abelard to Luther. A seminar concentrating on one or two major themes of European thought in the Middle Ages. One meeting per week.

Requisite: History 23, 24, or Philosophy 17, or consent of the instructor.

Second semester. Omitted 1970–71. Professor Cheyette.

26. Early Modern Europe. Studies in the nature of the early modern state 1400–1600.

Second semester. Professor Weary.

27. Colloquium in History and Anthropology. (Same course as Anthropology 51.) A comparison of the uses of the disciplines of history and anthropology with reference to Western political institutions, 1250–1750. Emphasis will be placed upon analysis, historical and anthropological, of political rituals (royal coronation and funeral ceremonies), political symbols (the body politic, the crown), social class and mobility, and cultural conceptions of time and change. Reading knowledge of French and/or German is desirable, but not required.

Limited to twenty students. First semester to be offered only once. Professors Munn and Weary.

28. Modern Germany. A general survey, with emphasis on the period since 1806 and on themes such as the following: the social and intellectual impact and challenge of revolutionary France, the origins of liberalism and nationalism, the effects of industrialization, social and ideological tensions in the Second Empire, expansionism and the military elite, the Weimar experiment in democracy, fascism and the structure of Nazi power, and reconstruction after World War II. Use will be made of visual materials and of original sources in English translation.

Second semester. To be offered at Mount Holyoke College. Professor Lees.

31. European Thought in the Nineteenth Century. Dominant currents in the history of ideas viewed in their social context, from the Enlightenment to the intellectual background of the First World War.

First semester. Omitted 1970–71. Professor Halsted.

32f. Europe in the Nineteenth Century. An examination of some of the major ideological movements of the period, such as liberalism, nationalism, socialism, and irrationalism. Intellectual history will be viewed against the background of social and political conditions. Attention will also be given

to the working out of ideas at the level of practice (liberal reforms, revolutions of 1848, working-class organization, etc.). One two-hour seminar per week.

First semester. Professor Lees.

33. **Europe and the World in the Twentieth Century.** Relations among governments in war and peace are examined as they have been shaped by social and political transformations within the nations. The settlement of World War I, the rise of fascism, and World War II are studied in the first part of the course. The impact of bipolarity and the end of empire on France and England, nationalism and communism in east European society, and the movements for European economic and political unity are considered in part two. Throughout, attention is given to the images of European culture developed by artists and social thinkers. Lectures and small discussion groups.

First semester. Professor Ratté.

34. **Topics in Contemporary Intellectual History.** The course considers movement of ideas and the works of individual thinkers in relationship to social change and changes in specific intellectual disciplines. In 1971 attention will focus initially on a few writers who have dealt with the problem of the social implications of loss of faith or attempted to transform traditional religious concepts for the understanding of modern life. Some time will then be given to the responses of the churches to revolution, urbanization, and science, with particular attention to Catholicism in France. Papers and discussions, with some lectures.

Requisite: History 33 or an equivalent course in another institution. Second semester. Professor Ratté.

37s. **English History: Tudors and Stuarts.** An examination of English society and institutions from 1485 to 1714: the securing of the Tudor dynasty; the Henrician break with Rome and the Elizabethan Settlement in religion; seventeenth century revolutions in political, religious and social context; the Revolution Settlement.

Second semester. Omitted 1970–71.

38f. **Britain since 1815.** A study of some of the fundamental changes in English society and institutions from 1815 to the present. Chief topics to be examined: the eighteenth century background; the condition of England, 1815; Victorian reform and compromise; factors in foreign policy; social thought and social change, 1870–1914; Socialist Britain, 1945–1965; from Empire to Commonwealth.

First semester. Omitted 1970–71.

39s. **Foundations of English Law and the Constitution.** Origins of the English Constitution; Growth of Common Law; Evolution of Parliament; De-

velopment of Monarchy; selected topics in Constitutional Conflict since 1485.

Second semester. Omitted 1970–71.

41. Russia. A history of Imperial Russia until approximately 1900. The course will include consideration of Russia's Kievan and Muscovite background and will emphasize the development of social and political institutions—the growth and collapse of serfdom, the evolution of bureaucratic autocracy, etc.—in the Imperial period. Reading, lectures and discussions.

First semester. Professor Czap.

42. Russia. A history of Imperial and Soviet Russia in the twentieth century. A consideration of Russia during the period of constitutional monarchy, the revolutions of 1917 and the reestablishment of social order and the development of Russian society under the Communist Party through the post-World War II years. Reading, lectures and discussions.

Second semester. Professor Czap.

44. Topics in Russian History. The seminar will consider dominant themes in Russian social radicalism of the nineteenth century.

Admission by consent of the instructor. Second semester. Professor Czap.

45. Modern East Asia and the West. Lectures, readings and class discussion of problems arising from the impact of Western military technology, science and political philosophy on China, Japan and Korea since 1800. Special attention is given to differences in China's and Japan's responses to Western civilization and their attempts to modernize.

First semester. Professor R. Moore.

46. Modern China. A survey of political, social and economic developments as China moved from traditional Confucian society to revolutionary "Maoist" society. Lectures, readings and discussions will treat traditional society, and the Nationalist and Communist revolutions. Alternates with History 47s.

Second semester. Omitted in 1970–71. Professor R. Moore.

47s. Modern Japan. An introduction to Japan's political and intellectual responses to the threat of the West since 1800. Lectures, readings and discussions will focus on late Tokugawa society, the Meiji Restoration and beginning of modernization, the growth of nationalism and the Pacific War, the American occupation and recovery of national independence in the cold war.

Second semester. Alternates with History 46. Professor R. Moore.

48. Topics in East Asian History. The course explores one broad topic through readings, discussions and papers. The topic for 1971: the Communist revolution in China.

Admission by consent of the instructor. Second semester. Professor R. Moore.

51. The Middle East. From the birth of Islam in the seventh century A.D. to 1300. Special emphasis will be placed on the nature of Islamic society and thought, the formation of an Islamic civilization, and the interaction of Arabs, Persians, and Turks.

First semester. Professor Petropulos.

52. The Middle East. From the rise of the Ottoman Turks around 1300 and the formation of the Ottoman empire to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: changes in the nature of Ottoman state and society, the impact of the West and alternative reform and modernization efforts, the contrasting experiences of Arabs and Turks, before and after World War I, the Palestine problem and the creation of Israel.

Second semester. Professor Petropulos.

53s. Modern Greece. An examination of Greek society from 1204 to the present, with stress on the Byzantine and classical legacies, as well as Ottoman Turkish rule and westernization, as basic components in the emergence of a modern Greek nation. Greece will be considered in the context of the modernization process and its pattern of modernization will be compared and contrasted with that of other developing nations in the Balkans and the Middle East. The concurrent and conflicting modern Greek traditions of democracy and autocracy will be studied in an attempt to understand the current political situation in Greece. Offered alternately with History 54.

Second semester. Professor Petropulos.

54. Topics on the Middle East. Each year the course will focus on a single topic of broad range. Papers and discussion. One two-hour session per week. When the topic changes the course may again be taken for credit. Topic for 1972: Modern Egypt.

Admission by consent of the instructor. Second semester. Omitted 1970–71. Professor Petropulos.

55. The History of American Society. An examination of the relationship between values and institutions in the formation of the American social system. Particular attention will be given to the complex interaction between the forces of social cohesion and social conflict as a way of understanding the movement of American society toward social disequilibration and civil war.

First semester. Professor Rozwenc.

56. The History of American Society. An examination of the adaptation and adjustment of American values and institutions in response to the

industrializing process. Particular attention will be given to social conflicts caused by the strains of rapid social change and their relationship to conflicts in world politics.

Second semester. Professor Rozwenc.

57s. Seminar in Southern History. Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. Second semester. Professor Hawkins.

58. The Progressive Generation. A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. One seminar meeting weekly.

Limited to fifteen students. Second semester. Professor Greene.

59. Society and Politics in the Jacksonian Era. An intensive examination of the social and economic changes in America in the early nineteenth century and their implications for the practice of politics and the content of American democratic ideology.

First semester. Omitted 1970–71. Professor Ward.

60. Radicals and Reformers in the New Deal Era. An examination of the patterns of protest and reform that emerged in American society during the crisis of the 1930's.

Limited to fifteen students. Second semester. Professor Rozwenc.

61. Community and Individualism in Early America. A study of the tensions between liberal individualism and the bonds of community in the development of American society. The course will focus on tensions within the Puritan communities of New England, the Quaker's "Holy Experiment," the semi-aristocratic society of Virginia, and the experience of the American Revolution.

First semester. Professor Greene.

62. American Diplomatic History. The history of American foreign relations in the twentieth century. After a very brief introductory consideration of the origins of the American diplomatic tradition, this course will focus in depth on the evolution of America's role in world politics from the late nineteenth century to the present.

Second semester. Professor Levin.

63. Conference Course in American Intellectual History. This course will consist of reading, discussion and reports on some of the significant books of American intellectual history. One seminar meeting weekly.

Elective for Juniors with permission of instructor. First semester. Professor Commager.

64. Conference Course in American Intellectual History. Continuation of History 63. One seminar meeting weekly.

Elective for Juniors with permission of instructor. Second semester. Professor Commager.

66f. Seminar in American Educational History. Selected topics from the colonial period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. First semester. Professor Hawkins.

67. Race in American History. The course explores thought about race and institutions based on race within the context of American cultural development. Emphasis is on black Americans. One one-hour and one two-hour meeting weekly.

Limited to twenty-five students. First semester. Omitted 1970–71. Professor Hawkins.

69. African History to 1880. A general history of Africa from the Axumite, Nubian and Nile Valley Kingdoms to the nineteenth century. Attention will be given in the lectures to migrational patterns and the emergence of states and imperial systems; the rise of monarchies in the Sudan forest areas and in Central Africa; where relevant, consideration will be given to relations between African states and the development of institutions. An essay will be required.

Prerequisite: Previous course work in the Department of History or the consent of the instructor. First semester. Professor Davis.

70. Modern African History. This course will deal with the impact of exploration, missionary activity, European penetration and imperial systems, the Congress of Berlin and the African reaction. Much of the reading is from scholarly journals. An essay will be required.

Prerequisite: History 69 or the consent of the instructor. Second semester. Professor Davis.

71. African Nationalism. The course will be concerned with traditional and ideological factors in African nationalism. The first part will examine Independent Church ideas: Ethiopianism, Zionism, Messianism, in the light of actual patterns of conduct in West, Central and South Africa. The second part will devote special attention to an assessment of political ideas as stated by a number of Africans in the nineteenth and twentieth centuries.

Their relation to the evolution of African political parties and the emergence of independent states will also be considered. The course will be built around such concepts as "the political leader as a representative of a culture;" "the basis for African liberation;" "problems of multi-ethnic communities."

Admission by consent of the instructor. First semester. Professor Davis.

72. Ideas in American Culture. Selected moments in the history of ideas in American culture from Puritanism to pragmatism. Three class meetings per week.

Second semester. Professor Ward.

73s. History and Theory. Readings and discussion of works exemplary of controversy and speculation concerning such problems as the nature of historical knowledge, the social role of the historian, history as literature and as social science, and social causation and historical explanation. One seminar meeting per week.

Second semester. Professor Halsted.

75s. Seminar in Comparative History.

Second semester. Omitted 1970–71.

76. Seminar in Colonial History. Readings, discussion and essays focusing on the creation and maintenance of "the colonial situation," its characteristics, and the consequences of decolonization. Emphasis will be placed upon Africa. Two meetings per week.

Limited to fifteen students, with consent of the instructor. Second semester. Professor Gifford.

77. Conference Course. Senior Honors. Preparation of an honors thesis.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. First semester. The Department.

D78. Conference Course. Senior Honors. Preparation of an honors thesis. A double course.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. Second semester. The Department.

97, H97. Special Topics. Independent Reading Course.

First semester.

98, H98. Special Topics. Independent Reading Course.

Second semester.

History of Science. See page 177.

Interdepartmental Courses. See page 178.

ITALIAN

Professors French and Giordanetti.

Major Program. A combined major may be arranged by consultation. Note also under French and Spanish the description of combined majors with Italian.

Distribution Sequences. Sequence of two: Italian 12, 23 or Italian 12, 24. Sequence of three: Italian 12, 23, 24.

1. Italian Language. An intensive course in language: recognition and imitation of basic sentence patterns, vocabulary and verb forms. Oral-aural drill on readings. Per week: three class hours as scheduled; two hours of section with instructor, to be arranged; work in laboratory as regular part of preparation.

Elective for Freshmen. First semester. Professor French.

12. Readings in Modern Italian Literature. Theatre, such as Pirandello, *Enrico IV* or *Sei personaggi in cerca d'autore;* short story, such as Verga, *Cavalleria rusticana;* novel, such as Pavese, *La luna e i falò;* poetry, such as that of Quasimodo and Ungaretti. Three hours per week.

Requisite: Italian 1. Elective for Freshmen. Second semester. Professor Giordanetti.

23. Dante. A reading of the *Inferno* and parts of the *Purgatorio* and *Paradiso.* Special study of the social and political background of the work. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. First semester. Professor French.

24. Literature of the Italian Renaissance. Origins in Boccaccio's *Decamerone* and Petrarch's *Canzoniere.* Reading of Cellini's *Vita,* Castiglione's *Cortegiano,* Machiavelli's *Principe,* etc., with study of the social background of the fifteenth and sixteenth centuries. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. Second semester. Professor French.

97, H97; 98, H98. Special Topics. Full or half courses.

First and second semesters.

Latin. See page 95.

Latin American Studies. See page 178.

Legal Studies. See page 179.

MATHEMATICS

Professors Breusch and Mauldon (Acting Chairman); Associate Professors Bailey* (Chairman) and Denton*; Assistant Professors Armacost, Crabtree, Hadlock, Plank and Starr.

Major Program. The basic minimum course requirements for a major are Mathematics 11, 12 or 13, 21, 22, 25, 26, Physics 13, 14 and at least three more courses in mathematics. Students with a strong background in mathematics may be excused from certain courses such as Mathematics 11. It is recommended that such students take the Advanced Placement Examination in Mathematics.

A comprehensive examination for honors students will be given toward the end of the first semester of their senior year. For other majors, the comprehensive examination will be given during the first seven weeks of the second semester of their senior year.

A student considering a major in mathematics should consult with a member of the Department as early as possible, preferably during his freshman year. This will enable him to arrange a program best suited to his ability and interest, whether it be in mathematics, secondary school teaching, or a non-mathematical career. If possible, he should complete two courses during his freshman year, and he should have completed all required courses by the end of his junior year.

For a student considering graduate study in mathematics, an honors program and a reading knowledge of two foreign languages (usually German, French or Russian) are extremely desirable. Such a student is advised to take the Graduate Record Examination early in his senior year.

Honors Program. For a degree with honors, the following additional courses are required: Mathematics 42, 43, 77 and 78. Students are admitted to the honors program on the basis of a qualifying examination given during the second semester of their junior year. Before the end of the junior year, an individual thesis topic will be selected by an honors candidate in conference with a member of the Department. After an intensive study of this topic, the candidate will write a report in the form of a thesis which should be original in its presentation of the material, if not in con-

*On leave 1970–71.

tent. All students majoring in mathematics are expected to attend the mathematics colloquium during their junior and senior years, and honors candidates will report to the seminar on their thesis work during their senior year.

Distribution Sequences. For fulfillment of the general distributional requirements, the following sequences are suggested for non-mathematics majors: 11–12, 11–34, or 12–21 as two-semester sequences; 11–12–21, 12–21–22, 12–21–42, or 11–34–35 as a three-semester sequence. Mathematics 13 may be regarded as equivalent to Mathematics 12 in constructing distribution sequences.

11. Introduction to the Calculus. Basic concepts of limits, derivatives, antiderivatives; applications; the definite integral, simple applications; circular functions and their inverses, logarithms and exponential functions; coordinate transformations, conic sections. Four class hours per week.

Elective for Freshmen. First semester. The Department.

11s. Introduction to the Calculus. Same description as Mathematics 11. Second semester. The Department.

12. Intermediate Calculus. Review of the basic concepts of the calculus, with more stress on rigor; improper integrals, differentials, techniques of integration, Taylor's theorem with applications; infinite series and power series. Four class hours per week.

Requisite: a grade of C or better in Mathematics 11 at Amherst College or the consent of the Department.

Elective for Freshmen. Second semester. The Department.

12f. Intermediate Calculus. Same description as Mathematics 12. First semester. The Department.

13. Calculus. The completeness axiom for the real numbers. Some of the properties of continuous functions. Proof of the integrability of continuous functions, and of the fundamental theorem of integral calculus. A brief review of integration techniques, and of applications of definite integrals. Taylor's theorem. An introduction to infinite series. Differential equations of the first order, including an existence and uniqueness proof. Linear differential equations of the second order. Four class hours per week.

This course is restricted to incoming freshmen who have taken a substantial calculus course in high school. Admission only with the consent of the Department. First semester. Professor Hadlock.

21. Multivariable Calculus. Functions of several variables, continuity, partial derivatives; the chain rule; coordinate transformations, cylindrical and spherical coordinates; curves and surfaces; Taylor's theorem, extrema; multiple integrals, applications; line integrals; series. Four class hours per week.

Requisite: a grade of C or better in Mathematics 12 or the consent of the instructor. Elective for Sophomores. First semester. Professors Breusch and Starr.

21s. **Multivariable Calculus.** Same description as Mathematics 21.

Requisite: Same as Mathematics 21. Elective for Freshmen. Second semester. Professor Mauldon.

22. **Advanced Calculus.** Basic topological concepts in n-space; theorems on compact sets, and on functions which are continuous on compact sets; implicit functions; measures of point sets, Riemann integrals in n-space; surface area, surface integrals, the divergence theorem; differential forms, Stokes' theorem series and Fourier series, applied in the solution of simple partial differential equations. Selections from one or two of the following topics: metric spaces; Fourier integrals; the calculus of variations. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Breusch.

24. **Computational Methods.** The topics of linear algebra and differential equations will be treated, with special emphasis on efficient methods of computation. Some analytic aspects of each topic will also be considered.

Requisite: Mathematics 12. Elective for sophomores. Second semester. Professor Hadlock.

25. **Algebra I.** A brief consideration of properties of sets, mappings, and the system of integers, followed by an introduction to the theory of groups and rings including the principal theorems on homomorphisms and the related quotient structures; integral domains, fields, polynomial rings. Four class hours per week.

Elective for Sophomores. First semester. Professor Armacost.

26. **Algebra II.** A continuation of the study of a finite-dimensional abstract vector space and the algebra of linear transformations which act on it, together with the isomorphic algebra of matrices; the dual space, the effect of a change of basis, invariant subspaces, minimal polynomial of a transformation, characteristic vectors, various canonical forms. Four class hours per week.

Requisites: Mathematics 12 and 25. Elective for Sophomores. Second semester. Professor Armacost.

33. **Theory of Numbers.** An introduction to the theory of rational integers; divisibility, the unique factorization theorem; congruences, quadratic residues. Selections from the following topics: Diophantine equations; Waring's problem; asymptotic prime number estimates; continued fractions; algebraic integers, unique factorization domains. Four class hours per week.

Elective for Sophomores. First semester. Offered in alternate years. Professor Breusch.

34. Introduction to Probability and Statistics. Elementary probability, including statements of the law of large numbers, and the central limit theorem; joint distribution functions; distribution functions of frequent occurrence in statistics, such as the Normal, Poisson, Chi square and Student's t, and their use in hypothesis testing and estimation; roles of the law of large numbers and the central limit theorem in hypothesis testing and estimation (including errors of type I and type II); a brief introduction to non-parametric methods. Four class hours per week.

Requisite: Mathematics 11. Except with special permission of the departments concerned, this course and Economics 45 may not both be taken for credit. Elective for Freshmen. Second semester. Professor Starr.

35. Statistics. Intermediate probability; forms and sketches of proofs of the law of large numbers and the central limit theorem; Neyman-Pearson theory of hypothesis testing and estimation; properties of some parametric and non-parametric tests of wide applicability; introduction to decision theory. Four class hours per week.

Requisite: Mathematics 34. Elective for Sophomores. First semester, alternate years. Omitted 1970–71.

36. Topics in Geometry. A selection of topics from projective, non-Euclidean and differential geometry. Four class hours per week.

Requisite: Mathematics 12. Elective for Sophomores. Second semester, alternate years. Omitted 1970–71.

42. Functions of a Complex Variable. An introduction to analytic functions; complex numbers, derivatives, conformal mappings, integrals, Cauchy's theorems; power series, singularities, Laurent series, analytic continuation; Riemann surfaces; special functions. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Crabtree.

43. Functions of a Real Variable. An introduction to Lebesgue measure and integration; topology of the real numbers, inner and outer measures and measurable sets; the approximation of continuous and measurable functions; the Lebesgue integral and associated convergence theorems; the Fundamental Theorem of Calculus. Four class hours per week.

Requisite: Mathematics 22. Elective for Juniors. First semester. Professor Plank.

44. Topology. An introduction to general topology; the topology of Euclidean, metric and abstract spaces with emphasis on such notions as continuous mappings, compactness, connectedness, completeness, separable spaces, separation axioms, metrizable spaces. Additional topics may be se-

lected to illustrate applications of topology in analysis or to introduce the student briefly to algebraic topology. Four class hours per week.

Requisite: Mathematics 22 or consent of the instructor. Elective for Juniors. Second semester. Offered in alternate years. Professor Plank.

67s. Conference Course. The content of this course will vary from year to year.

Elective for Juniors with the consent of the Department. Second semester. Professor Mauldon.

77. Honors Course.

Elective for Seniors with the consent of the Department. First semester. The Department.

78. Honors Course.

Requisite: Mathematics 77. Second semester. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course. First semester. Professor Mauldon.

98, H98. Special Topics. Independent Reading Course. Full or half course. Second semester.

MUSIC

Professor Mishkin (Chairman); Assistant Professors McInnes,* Spratlan and Wheelock; Mr. May.

Major Program. The course of study for music majors should be planned, in consultation with the Department, to meet the needs and interests of the individual student. Concentration may be in music history, theory and composition, or performance. All majors are advised to elect a two-year sequence in music theory, Music 31–32, 33–34, as basic to all academic study of music. The *rite* major with concentration in theory or music history consists of a minimum of eight semester courses. The *rite* major with concentration in performance consists of a minimum of nine semester courses including at least six half courses in performance, Music H29–H30.

Honors Program. The honors major should elect the course of study stipulated for the *rite* major plus Music 77–78. The senior project acceptable for honors in music may be an historical or critical thesis, a composition, or a formal recital, dependent upon the student's field of concentration.

Distribution Sequence. Two-course sequences are any two full courses offered by the Department. Three-course sequences are any three full courses offered by the Department.

*On leave 1970-71.

11s. Introduction to Music. The elements of musical design; a creative engagement with the problems of the composer and listener. Three class meetings a week.

Elective for Freshmen. Second semester. Professor Wheelock.

15. Listening. A study of representative works from the history of music through listening and discussion. This course does not require previous musical study.

Elective for Freshmen. First semester. Professor Mishkin.

21. History of Western Music 1100–1650. A survey of major composers and stylistic developments in the medieval, renaissance and early baroque eras. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. First semester. Omitted 1970–71. To be given 1971–72.

27. Chamber Music. The relation of ensemble size to level of musical thought. Examples will be studied from renaissance consort music, baroque trio sonatas, classical and romantic string quartets and modern ensembles of diverse instrumentation including jazz and improvisational ensembles. Three class meetings a week.

Elective for Freshmen. First semester. Professor Wheelock.

H29, H30. Performance. Under the Five-College Cooperative Plan courses are offered in: piano, organ, voice, violin, viola, violoncello and occasionally in other performance media. These courses may be elected by students who first satisfy the Department and the individual instructor that they are prepared to undertake the study of solo music literature of artistic worth. Instruction will be given by members of the Department of Music of Amherst, Mount Holyoke, and Smith. The courses listed in the catalogues of the neighboring institutions are: Smith College—Piano 121, 222, 323, 424, 525; Violin 151, 252, 353, 454, 555; Viola 161, 262, 363, 464, 565; Violoncello 171, 272, 373, 474, 575; Voice 141, 242, 343, 444, 545; and at Mount Holyoke College—Voice 167f, 168s. A fee of $112.50 per semester is charged to cover a portion of the expense of this special type of instruction. One hour of private instruction and nine hours of practice per week are expected.

Note: Two music performance half courses may be counted as the equivalent of one full course for fulfilling degree requirements. Study for less than two consecutive semesters will not be counted for satisfaction of the degree requirements.

Elective for Freshmen with the consent of both the Amherst Music Department and the instructor. This course may be repeated. First and second semesters.

31. Elementary Theory. Basic principles of harmonic and contrapuntal technique. Triads and their inversions, nonharmonic tones, modulations, harmonizations in chorale style. Two class meetings a week.

Requisite: ability to play all written work and the consent of the instructor. Elective for Freshmen. First semester. Professor Mishkin.

32. Elementary Theory. A continuation of Music 31. Seventh chords, elementary phrase structure, formal analysis, binary composition. Two class meetings a week.

Requisite: Music 31. Elective for Freshmen. Second semester. Professor Mishkin.

33. Intermediate Theory. The theory of tonal music with particular emphasis on the 18th and 19th centuries. Exercises in basic musicianship, modal counterpoint and figured bass. Students will analyze works and write pieces modeled on them. Two class meetings and one conference (to be arranged) a week.

Requisite: Music 32. Elective for Sophomores. First semester. Mr. May.

34. Intermediate Theory. A continuation of Music 33 with particular emphasis on the late 19th and 20th centuries. An introduction to the analytical methods of Schoenberg and Schenker. Two class meetings and one conference (to be arranged) a week.

Requisite: Music 33. Elective for Sophomores. Second semester. Mr. May.

42. Bach. The Bach style studied in relation to the development of music since 1600. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered in alternate years. Second semester. Professor Mishkin.

43. Mozart. A study of the instrumental and sacred choral music. Two class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1970–71. Professor Mishkin.

44f. Beethoven. A study of the piano, chamber, orchestral and choral music. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Freshmen. Offered in alternate years. First semester. Professor Spratlan.

45. Opera. The development of the musical drama from 1600 with emphasis on a detailed study of operatic types. Concentration on representative works by Monteverdi, Handel, Mozart, Verdi and Wagner. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1970–71. Professor McInnes.

47. Nineteenth Century Music. Topics in the music of the Romantic era: post-Beethoven chamber and orchestral music; the miniature and the monumental; the effect on musical language of the programatic idea; nationalism and literary influences; lyric opera and the Music Drama. One two-hour seminar a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered in alternate years. First semester. Omitted 1970–71. Professor Mishkin.

48. Twentieth Century Music. Analyses of key works by Bartok, Berg, Debussy, Schoenberg, Stravinsky, and Webern and discussion of some recent developments. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered in alternate years. Second semester. Omitted 1970–71. Professor Wheelock.

50. Music in the United States. A study of American musical culture with particular attention to the fusion of European and African elements. Three class meetings a week.

Elective for Freshmen. Second semester. Professor Spratlan.

69. Composition. A course in elementary composition beginning with simple inventions and developing according to the needs of the students. Two meetings a week.

Requisite: ability to read music. Knowledge of traditional music theory is not required. Elective for Freshmen. First semester. Professor Wheelock.

70. Composition. A continuation of Music 69. Two class meetings a week.

Requisite: Music 69 or Music 31. Elective for Freshmen. Second semester. Professor Wheelock.

71. Composition Seminar. Composition according to the needs and experience of the individual student. Two class meetings a week and private conferences.

Requisite: Music 70. Elective for Juniors. First semester. Professors Spratlan and Wheelock.

72. Composition Seminar. A continuation of Music 71.

Requisite: Music 71. Music 71 and 72 may be elected for more than one year. Elective for Juniors. Second semester. Professors Spratlan and Wheelock.

77, D77, 78, D78. Conference Course. Advanced work in history, composition or performance for honors candidates. A thesis, a major composition or a formal recital will be required. No student shall elect more than one semester as a double course. A double course or a full course.

Elective for qualified Seniors.

NATURAL SCIENCES

Advisory Committee: Professors Brower and Dempsey†; Associate Professor Fink; Assistant Professors Cogan, Kuntz, Snellgrove (Acting Chairman), and Starr.

This major is offered to the natural science oriented student whose professional goals would be best served by exposure to a broad spectrum of science courses rather than by an intensive study in a traditional science field. Examples of students who might find this program tailored to their needs are: A) A student intending to teach science at the secondary school level; B) A student interested in certain new sciences, e.g., oceanography or environmental studies, which make use of many traditional areas; C) A student preparing for further study in the history or philosophy of science; D) A student oriented toward graduate study in business administration with the intention of becoming an administrator in a science-oriented industry.

This program is *not* intended for students interested in structuring a major around only two departments, e.g. a Chemistry student who wishes to substitute courses in Biology for some of the Chemistry requirements, or a Philosophy student desiring to replace certain Philosophy requirements with Physics courses. Such students should employ the Interdepartmental Major to achieve their aims. The Natural Sciences Major has been established specifically for student wishing to design a major around *more* than two departments (and primarily those within Division III). Students approaching the Natural Sciences Committee about the program should be certain that they possess such broad interests.

The courses for this program are selected from the standard offerings of the various science departments and, in special cases, from certain related departments (see below). The members of the faculty committee indicated above serve as advisors to students and administrators of the honors program, the comprehensive examination, and other departmental functions. Admission to this major will be considered on a case by case basis, and the Committee as a whole will be the final judge of the acceptability of any proposal. Any student who feels he might benefit from such a program is urged to consult with a committee member as early as possible to discuss his particular case and to consider feasible lines of study. No student will be admitted to the program after 14 days of the second semester of his Junior year.

Major Program: All students must complete the following basic requirements: Mathematics 11; 2 courses from one department within Division III; 2 courses from another department within Division III; 3 courses from a third department within Division III.

†On leave first semester 1970–71.

In addition, each student must select in consultation with a Committee member at least three more courses within Division III to complete a program exhibiting a coherent structure relevant to his educational goals. Variation on this requirement will be permitted a student whose interests demand that courses outside of Division III (e.g. in Philosophy, Economics, History, etc.) be included in his major program. Final approval of any program must be obtained from the Committee as a whole. A comprehensive exam prepared on an individual basis will be given during the first semester of the Senior year.

Honors Program: A candidate for degree with honors must complete five courses beyond the basic requirements (rather than the three specified for the *rite* major). These must include Natural Sciences 77, and 78 or D78. With the approval of the Committee, an honors candidate may choose to do his senior honors work with any interested faculty member from a discipline relevant to his program. Examples of possible honors projects are: A) Teaching for one semester in a local secondary school, plus a semester of evaluation. B) Honoring within a regular Division III Department (provided sufficient work has been pursued within that Department to warrant acceptance of the student at the honors level). C) Special Topics with one or more departments (not necessarily within Division III, but related).

The comprehensive exam, with additional individually designed portions, must also be taken by honors candidates in the first semester of the senior year.

77, D78. Natural Sciences Honors. Individual, independent work on a problem approved by the committee, culminating in the presentation of a thesis. Elective for seniors admitted to the honors program. Full course first semester. Double course second semester. The Committee.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course. First and Second semesters.

PHILOSOPHY

Professors Epstein, Kennick and Pemberton*; Assistant Professors G. Barnes (Chairman) and Sicha.

Major Program. Problems of Inquiry 1; Philosophy 17 and 18; at least six other courses within a major program approved by the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination.

Honors Program. Problems of Inquiry 1; Philosophy 17 and 18; Philosophy 77 and D78; at least four other courses within a major program approved by

*On leave 1970-71.

the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination. Early in the first semester of the senior year, each honors candidate will present to a meeting of philosophy majors and members of the Philosophy Department a general discussion of his proposed thesis topic. Late in the same semester he will present to a meeting of the same group a draft of part of the thesis; this draft will have been distributed beforehand and will be discussed at this time. A draft of the entire thesis will be presented to and discussed by the same group at a meeting during the week after Spring vacation. The thesis will be due on May 1.

Comprehensive Examination. Members of the class of 1971 will take their comprehensive examination in the third week of the first semester of the academic year 1970–71. Members of the class of 1972 and subsequent classes will take their comprehensive examination in the third week of the second semester of their junior year. The examination will consist of questions which are distributed to the student two weeks before the examination. Of the total number of questions, some number determined by the Philosophy Department will be answered by each student. The student may choose to do a wholly oral examination, a wholly written examination, or a partly oral and partly written examination. He will be required to present an oral explication of any part of his examination that is written. When necessary, the above procedures will be altered appropriately in the case of students who declare their philosophy major late.

Distribution Sequences. Two-course sequences: any two courses, subject to requisites, but not any of the following combinations: 11(11s) and 46; 13 and 46. Three-course sequences: subject to requisites, any three courses, but not including both 13 and 46, or both 11(11s) and 46.

The preceding paragraphs apply to members of the class of 1972 and subsequent classes, except where otherwise stated.

Organization of the Philosophy Curriculum. The following division of the philosophy courses into groups is intended as an aid to the student in his selection of philosophy courses. Group I: 11(11s), 13, 17, 18; Group II: 21, 21s; Group III: 31, 32, 33, 34f, 35s; Group IV: 46, 48, 61, 62, 77, D78.

Two-Year Schedule of Philosophy Courses. As an aid to the student in long-range planning of his schedule, the Department will adhere to the following alternating yearly schedule of course offerings. First year, first semester: 11 (two sections), 13, 17, 21, 33, 34f, 61; first year, second semester: 11s (two sections), 18, 21s, 32, 48, 62. Second year, first semester: 11 (two sections), 13, 17, 21, 31, 33, 61; second year, second semester: 11s (one section), 18, 21s, 35s, 46, 48, 62. The academic year 1970–71 is a first year, the year 1971–72 a second year, and so on.

GROUP I

11. Introduction to Philosophy. Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

Elective for Freshmen. Each section limited to 25 students. First semester. Professor Sicha.

11s. Introduction to Philosophy. Same course as Philosophy 11.

Elective for Freshmen. Each section limited to 25 students. Second semester. Professor Barnes.

13. Introduction to Logic and the Methods of Scientific Inquiry. The elements of: (1) traditional and modern formulations of conditions of valid inference, (2) the structure of probable inference, (3) the conditions for such representative procedures in the sciences as definition and classification, measurement, sampling and induction, the formation and confirmation of hypotheses, (4) philosophies of logic; special emphasis on a functional analysis of formal structures in the pattern of scientific inquiry. Three class hours per week.

Elective for Freshmen. First semester. Professor Epstein.

17. History of Ancient and Medieval Philosophy. A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on the presocratic philosophers, Plato, Aristotle, St. Augustine, and St. Thomas Aquinas. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. First semester. Professor Kennick.

18. History of Modern Philosophy. A survey of European philosophy from 1500 to the present, with emphasis on Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Three class hours per week.

Requisite: Philosophy 17 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Kennick.

GROUP II

21. Topics in Philosophy. This course surveys (a) the work of one philosopher, or (b) a period or school of philosophy, or (c) the basic historical writings in a subject not taught in regular courses. This course may be repeated for credit by permission of the Department.

In 1970–71, a survey of important works from Plato to the present dealing with the philosophy of mind. Topics to be discussed include perception, the self, motives and reasons.

Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. First semester. Professor Barnes.

21s. Topics in Philosophy. This course is devoted to the study of one work of social philosophy, or one social philosopher, or one school of social philosophy. This course may be repeated for credit by permission of the Department.

In 1970–71, the topic is Hegel's social and political philosophy.

Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. Second semester. Professor Sicha.

GROUP III

31. Aesthetics. A critical examination of selected theories of the nature of art, expression, creativity, artistic truth, aesthetic experience, interpretation and criticism. Special emphasis is placed on the thought of modern philosophers and critics. Three class hours per week.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. First semester. Omitted 1970–71. Professor Kennick.

32. Metaphysics. A critical examination of selected metaphysical theories in the light of the arguments used to support them. The topics of sample theories include: appearance and reality; sense-data; solipsism; space, time, and infinity; universals; the existence of God; the nature of mind.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Kennick.

33. Philosophy of Religion. An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. Same course as Religion 33.

Requisite: Permission of the instructor. (Suggested: Philosophy 11 and either Philosophy 17 or Religion 16.) Elective for Sophomores. First semester. Omitted 1970–71. Professor Pemberton.

34f. Ethics. A discussion of some of the major problems arising in moral philosophy, e.g.: the derivability of "ought" from "is"; rule utilitarianism vs. act utilitarianism; non-cognitivism; the naturalistic fallacy; justice; punishment.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. First semester. Professor Barnes.

35s. Epistemology. A treatment of traditional problems concerning the nature and acquisition of knowledge.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Omitted 1970–71. Professor Epstein.

GROUP IV

46. Symbolic Logic. A rigorous formal treatment of first-order logics, including a discussion of consistency and completeness. This course is designed for students with an interest in mathematics and with some mathematical sophistication.

Requisite: Permission of instructor. Second semester. Omitted 1970–71. Professor Sicha.

48. Philosophy of Science. An examination of Concept Formation, Explanation, and Confirmation in the physical and social sciences. Detailed results will be brought to bear on such representative issues as: the relation between theory and measurement, the logical character of scientific laws and theories, causality and indeterminism.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Epstein.

61. Seminar in Philosophy. Three views of Truth: the Correspondence Theory, the Pragmatic Theory and the Semantic Conception. Readings will include the critically important papers of Austin, James, Ramsey, Sellars, Strawson and Tarski.

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C, at least one of which is from Group III). Elective for Juniors. First semester. Professor Epstein.

62. Seminar in Philosophy. An examination of Jean-Paul Sartre's *Being and Nothingness.*

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C, at least one of which is from Group III). Elective for Juniors. Second semester. Professor Sicha.

77. Conference Course. Required of candidates for honors in philosophy. The writing of an original essay on a topic chosen by the student and approved by the Department.

Elective for Seniors. First semester. The Department.

D78. Conference Course. Required of candidates for honors in philosophy. A continuation of Philosophy 77. A double course.

Elective for Seniors. Second semester. The Department.

97. Special Topics. Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department. Requisite: Permission of the instructor. First semester.

98. Special Topics. Independent Reading Course. Same as Philosophy 97. Requisite: Permission of the instructor. Second semester.

PHYSICAL EDUCATION

Professors Dunbar, McCabe (Chairman), Ostendarp and Wilson; Associate Professors Mehr, Serues and Thurston; Assistant Professors Gooding, Littlefield and Terrill.

Complete physical examination, physical fitness classification, adapted physical education program for special students. Required freshman program of team games, individual sports and recreational activities, with an emphasis on skill acquisition in a breadth of activities.

An individually structured and scheduled sophomore program, operating through an advisory system, emphasizes carry-over activities and life-long recreational pursuits.

PHYSICS

Professors Benson, Dempesy†, Gordon, Romer and Towne (Chairman); Assistant Professors Duffy*, Valberg and Watson.

Major Program. The minimum course requirements for a major in physics are as follows: Mathematics 11, 12, 21; Physics 13, 14, 23, 26, 27, 28 and 36.

In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. Majors will be required to demonstrate ability in computer programming. Students should consult the Department for information concerning the various ways this requirement can be satisfied. Senior majors must pass a written comprehensive examination.

Problems of Inquiry 3 is not required of physics majors.

Honors Program. The course requirements for a major with honors are the specific courses listed above, plus Physics 58, 77 and 78. (For students intending to make a career in physics, Physics 73 and 75 and at least one additional mathematics course are strongly recommended.) At the end of the first semester of the senior year, the student's performance on the first comprehensive examination, together with his progress on his honors problem, will determine the advisability of his being allowed to continue the honors program.

*On leave 1970–71.
†On leave first semester 1970–71.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as biophysics, or a non-scientific career. Mathematics 11 should be taken during the first semester of freshman year by anyone contemplating an honors major, and in any event no later than the second semester. Prospective physics majors should plan to take Physics 26 at the earliest convenient time. It should be noted that, at the discretion of the instructor, stated prerequisites may be waived if warranted by individual circumstances. Students interested in majoring in biophysics should consult the separate biophysics listing.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, x-rays, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

Distribution Sequences. Physics 11, 12 constitute a two-semester sequence intended primarily for non-science majors. Mathematics 11, Physics 13 or Physics 13, 14 constitute a two-course sequence and Mathematics 11, Physics 13, 14 a three-course sequence.

Further information on the physics program is contained in a booklet, "Physics at Amherst College," available from the Admission Office.

10f. Fundamental Concepts of Physical Science. Same course as Chemistry 10f. By focusing on topics of fundamental significance in physical science, the course is designed to enable students with a limited background, but a serious interest in science to profit more fully from established departmental sequences in chemistry and physics.

Students with the following backgrounds might consider seeking admission to the course prior to enrolling in Chemistry 11 or Physics 13:

a. No secondary school chemistry or physics.

b. Only one year of secondary school chemistry or physics, but not both.

c. A secondary school chemistry or physics course which the student feels did not provide a fundamental background in the basic concepts of the discipline.

This course is designed for students who intend to undertake substantial work in science at Amherst (i.e. at least Chemistry 11, 12, and Physics 13, 14) and will not be appropriate to students seeking to satisfy distribution requirements. Four hours of classroom work and four hours of laboratory per week. Offered only when there is sufficient need.

Elective for Freshmen with the consent of the instructor. First semester. Omitted 1970–71.

11. The Rise of Twentieth-Century Physics. Physics 11 and Physics 12 constitute a two-course sequence, intended primarily for non-science majors. Emphasis is placed on topics and conceptual problems which have played especially important roles in the development of physics and have influenced other areas of thought. Topics from mechanics and gravitation, optics, electromagnetism, and the two revolutionary conceptual developments of this century: relativity and quantum theory. Wave-particle duality and indeterminism. Discussion of some contemporary unsettled problems concerning the "fundamental particles" from an introductory point of view. Any needed mathematics beyond algebra and elementary trigonometry will be developed as the need arises. Three class hours per week and occasional laboratories.

Elective for Freshmen. First semester. Professor Romer.

12. The Rise of Twentieth-Century Physics. The second semester of the course outlined above under Physics 11.

Requisite: Physics 11. Second semester. Professor Dempesy.

13. Introductory Physics. Kinematics in three dimensions; Newton's laws of motion; the conservation of linear momentum and energy; rotational kinematics and dynamics; angular momentum; Bohr's theory of the hydrogen atom. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite Mathematics 11 or its equivalent. Elective for Freshmen. (Students who have not had high school physics should consult with the Department and may be advised to take Problems of Inquiry 3 before entering Physics 13.) First semester. Professor Watson.

13s. Introductory Physics. Same course description as Physics 13.

Second semester. Professor Towne.

14. Introductory Physics (second part). Development of elementary field concepts of electricity and magnetism; simple d-c and a-c electrical circuits. Transient and steady-state response of both mechanical and electrical resonant systems; basic concepts of wave phenomena. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Physics 13 or 13s. Elective for Freshmen. Second semester. Professor Gordon.

14f. Introductory Physics (second part). Same course description as Physics 14.

First semester. Professor Benson.

23. Topics in Modern and Thermal Physics. Relativistic kinematics and dynamics: energy-momentum relationships, relativistic doppler shift, relativity paradoxes. Radioactive decay of nuclei, ionization and absorption of nuclear radiation and particle detectors. Nuclear constituents, stable nuclei, fusion, fission, and nuclear reactions. Particle aspects of electromagnetic radiation and wave aspects of particles. Stimulated emission, lasers. Particle accelerators and symmetries of sub-nuclear particles. Elementary laws of thermodynamics and their statistical interpretation, leading to Planck's hypothesis on the nature of black-body radiation. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

Requisite: Physics 14. Elective for Sophomores. First semester. Professors Gordon and Towne.

26. Mechanics. Solution of problems in one-dimensional motion; central forces; the two-body problem; rotating frames of reference; scattering theory. Four class hours per week.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Second semester. Professor Benson.

27. Wave Phenomena. General characteristics of wave motion approached through the wave equation and the solution to boundary value problems. Energy relationships, diffraction, interference, reflection, refraction and polarization. Normal modes and eigenfunction expansions. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its application in the two fields. Four class hours per week and occasional laboratories.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. First semester. Professors Benson and Gordon.

28. Electrical Measurements and Electronics. Laboratory work dealing with electrical and magnetic measurements, d-c, and a-c circuits, transistor electronics, and microwave measurements. Emphasis is placed on actual laboratory investigation, with special attention to transistor circuits. In special

cases experiments may be selected to fit the needs of individual students. Two hours of lecture and two three-hour laboratories per week.

Requisite: Physics 14 or 14f. Elective for Sophomores. Second semester. Professors Romer and Valberg.

28f. Electrical Measurements and Electronics. Same course description as Physics 28.

Elective for Sophomores. First semester. Professors Romer and Valberg.

36. Perusal of the Quantum Realm. Basic postulation of quantum mechanics leading to wave functions and the Schrödinger equation. The operator expressions for momentum and position observables and the resulting uncertainty relation. Angular momentum states and spin. The Pauli Exclusion Principle and its relation to spin and statistics. Particles in potential wells and the hydrogen atom. Selection rules and atomic spectra. Theory of the solid state for insulators and metals. Band theory of solids. Free electron model of metals. Semiconductor crystals. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

Requisites: Physics 23, Physics 26, Physics 27, or equivalents. Elective for Juniors. Second semester. Professors Benson, Dempsey, and Watson.

58. Electromagnetic Theory. A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's theorem, electromagnetic waves, radiation from an accelerated charge. Four class hours per week.

Requisite: Physics 26. Second semester. Professor Gordon.

73. Analytical Dynamics and Wave Mechanics. Lagrangian and Hamiltonian formulations of classical mechanics. Calculus of variations and Fourier integral analysis. Quantum mechanical expectation values, Ehrenfest's theorem, uncertainty principles. Eigenfunctions of square potentials, harmonic oscillator, hydrogen atom. Four class hours per week.

Requisites: Physics 36. Elective for Juniors. First semester. Professor Watson.

74. Quantum Mechanics. Time evolution of states, approximation techniques, electron spin, the exclusion principle, scattering theory, transformation theory. Four class hours per week.

Requisite: Physics 73. Elective for Juniors. Second semester. Professor Romer.

75. Thermodynamics and Statistical Mechanics. First, second and third laws of thermodynamics with applications to various physical systems. Phase transitions. Applications to low temperature physics, including supercon-

ductors and liquid helium. Introductory kinetic theory and statistical mechanics. Applications of Fermi-Dirac and Bose-Einstein statistics. Four class hours per week.

Requisites: Physics 36, or consent of instructor. First semester. Professor Valberg.

77. **Honors Course.** Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Elective for Seniors who have been admitted to the honors program. First semester. The Department.

78, D78, **Honors Course.** Same course description as Physics 77. A single or a double course.

Requisite: Physics 77. Second semester. The Department.

97, H97, 98, H98. **Special Topics.** Independent Reading Course. Full or half course.

First and second semesters.

POLITICAL SCIENCE

Professors Kateb, Latham (Chairman), and Ziegler and Visiting Professor Robertson; Assistant Professors Arkes and Taubman*; Mr. Schloming.

Major Program. A major in political science consists of nine courses in political science. Political Science 11 or 11s is a prerequisite for all majors, and for non-majors satisfying a distribution requirement in political science.

There are four major study areas within the Department as follows: American government, comparative politics, international relations, and political theory. The *basic courses* in each of these divisions are, respectively, Political Science 21; Political Science 25; Political Science 26; and Political Science 28. Five of the nine courses required for a major in political science must be Political Science 11 or 11s and the four basic courses in the indicated divisions.

Rite majors are required to take Political Science 76 in their senior year.

All majors in political science are required to pass a comprehensive examination in political science. This examination will cover the discipline as a whole and will be written or oral or both written and oral as the Department may prescribe.

Honors Program. The honors program is designed to provide qualified students in political science with full opportunity for independent research and

* On leave 1970–71.

writing. Candidates for honors in political science will take Political Science D77 and 78. A cumulative average of 9 is required for admission to the honors program.

Distribution Sequences. Non-majors satisfying a two- or three-course distribution requirement in political science will take Political Science 11 or 11s and any other course or courses in the Department. Non-majors not satisfying a distribution requirement in political science may elect any course in the Department.

11. Introduction to Political Science. An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Three class meetings per week.

First semester. Professor Latham.

11s. Introduction to Political Science. Same description as above.

Second semester. Professor Latham.

21. American Government. An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Four class meetings per week.

First semester. Professor Ziegler.

25. Politics and Society. An examination of how contemporary political systems influence, and are influenced by, changing social and economic conditions. Primary attention is given to politics in the three representative European countries: Great Britain, France, and the Soviet Union. The political aspects of such problems as the concentration of economic power, the growth of the Welfare State, the decline (or persistence) of class distinctions, the growth of bureaucratic influence are discussed in a comparative setting. Three class meetings per week.

First semester. Mr. Schloming.

26. World Politics. International conflict and cooperation in historical and contemporary perspective. The struggle for power, the search for order and the limits of each. Special attention will be given to the national perspectives and foreign policies of the United States, the Soviet Union, and China. Three class meetings per week.

Second semester. Professor Robertson.

27s. The Politics of the Soviet Bloc. Beginning with a study of the Soviet political models and a comparison of that model with the political systems

of other Communist states, the course will concentrate on the intra-bloc politics and international relations of the Communist bloc.

Second semester. Omitted 1970–71. Professor Taubman.

28. Political Theory from Hobbes to the Present. A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Three class meetings per week.

Second semester. Professor Kateb.

31. Political Parties. An analysis of the place of the political party in the modern political system. Primary emphasis is given to party as a factor in defining the character of the political regime: party as a reflector and modifier of legal institutions; the effect of party on voting and legislative behavior; the relations among parties, bureaucracy, and outside groups; the economic and social consequences of party structure. The principal focus will be on American politics, but comparative materials will also be drawn from European and non-Western countries. In election years, classroom work will be supplemented by participation in a political campaign. Three class meetings per week.

First semester. Professor Arkes.

32. Urban Politics. The city as a distinct theater of politics. Attention will be given to political machines, minority groups, the linkage between local and national politics, and selected policy problems.

Admission with the consent of the instructor. Second semester. Professor Arkes.

33s. Public Opinion. An exploration of public opinion in its distinctly political aspects: public opinion as regulating the scope of the political system; the relation between opinion and authority; the tests and contents which make some opinions more justified in ruling. Attention will be devoted to the measurement of opinion; the influence of demographic factors; the impact of small groups, the media, and voluntary associations. Opinion surveys will be combined with writings on political theory; and there will be some consideration also of the empirical commitments which may arise from using the language of "public opinion" and "public interest" in political discourse. Classroom work plus participation in the design, administration, and analysis of an opinion survey. Three class meetings per week.

Second semester. Omitted 1970–71. Professor Arkes.

41. American Constitutional Development. The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal

and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

42f. Administrative Law. An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meetings per week.

Limited to 25 students. First semester. Professor Ziegler.

43. Bureaucracy and Modern Society. Bureaucracy as the center of the problem of politics in modern society. Topics will include bureaucracy as a system of domination; the social preconditions and consequences of bureaucratization; the relation of administrative agencies to interest groups and political parties; and the administrative structure as a reflection of the culture and the political regime. Case studies on American bureaucracy will be used as a basis for cross-national comparisons. The inquiry will respond to the concerns about bureaucratic power and social organizations which have been raised by such writers as Marx, Weber, Tocqueville, and Gandhi, as well as contemporary social scientists. Three class meetings per week.

First semester. Professor Arkes.

44. Politics in Developing Nations. An examination of the role of politics in the process of modernization in the developing nations of Africa, Asia and Latin America. Particular attention is given to such topics as the fragmenting and integrating influences of nationalism, the strengths and weaknesses of the single party system, the appeals of communism, the role of the military, the sources of stability and revolution, the problems of managing economic development. Three class meetings per week.

Second semester. Mr. Schloming.

46. International Law. The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Professor Ziegler.

48. American Political Thought. A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Three class meetings per week.

Second semester. Professor Kateb.

49. Political Theory from Plato to Machiavelli. A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three class meetings per week.

First semester. Omitted 1970–71.

52. Problems in Public Policy and Administration. Selected topics in public policy and administration. Conference course.

Limited to twenty-five students with the consent of the instructor. Second semester. Omitted 1970–71. Professor Latham.

54. Problems of Political Change and Political Order. The political means for managing major processes of change in contemporary societies are examined in a comparative perspective. Intensive study of a single broad topic, varying from year to year. The special topic for 1971 will be "The Military Elite in Politics." Consideration may be given, according to the interests of the seminar members, to such Western countries as the United States, France, the Soviet Union, Spain, Greece, or to the many cases of military intervention in underdeveloped countries.

Limited to fifteen students, with the consent of the instructor. Second semester. Mr. Schloming.

57. Problems of International Politics. Communism, revolution, and intervention.

Admission with the consent of the instructor. First semester. Omitted 1970–71. Professor Taubman.

59. Contemporary Political Thought. A study of some of the major writers who have tried to come to terms with the political features of modernity. Among those read are the radical romantics; the existentialists; the inheritors of Marx and Freud; and the positivists and their enemies. Conference course.

Admission with the consent of the instructor. First semester. Professor Kateb.

76. Senior Rite Seminar.

Second semester. Professor Latham.

D77–78. Honors Course. Double course, full course: totaling three full courses.

Elective for Seniors who have satisfed the necessary requirements. First and second semesters. The Department.

97. Special Topics.
First semester.

98. Special Topics.
Second semester. Professor Ziegler.

Problems of Inquiry. See page 67.

PSYCHOLOGY

Professors Coplin* and Koester (Chairman); Associate Professors Grose, Olver and Robinson; Assistant Professor Schneider*.

Major Progam. Students majoring in psychology are required to elect eight full courses in psychology or closely allied fields. No more than one or two courses may be taken in allied fields. Psychology 11 should be elected no later than the sophomore year by students who plan to major in psychology.

A comprehensive examination is given to all majors during the second semester of the senior year.

Honors Program. Honors work consists of conducting a research project and taking an oral examination based upon a written thesis. Students begin this work by electing Psychology 68 during the second semester of the junior year and Psychology 77 and 78 during the senior year.

Distribution Sequences. The distribution requirement in the social science division may be satisfied in psychology by the election of Psychology 11 and any course in the department with the exception of Psychology 23 and 29.

11. Introduction to Psychology. An introduction to the nature of psychological inquiry with emphasis upon major determinants of psychological phenomena. Lectures and section meetings.

Elective for Freshmen. First semester. Professor Robinson.

11s. Introduction to Psychology. Same course description as Psychology 11.
Elective for Freshmen. Second semester. Professor Koester.

20. Experimental Social Psychology. A social psychological analysis of individual and group behavior.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Omitted 1970–71.

*On leave 1970–71.

21. Personality. A study of attempts that have been made to provide an empirical and theoretical understanding of those characteristics of the person which are related to his distinctive ways of experiencing and behaving. A variety of theoretical models of the person will be examined and critically evaluated.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Koester.

22f. Perception. A study of the environmental variables and underlying physiological processes which determine basic properties of human perception.

Requisite: Psychology 11. Elective for Sophomores. First semester. Omitted 1970–71.

23. Research Design and Quantitative Methods. A study of psychological research procedures and quantitative methods, especially statistical procedures, that are used in the analysis and interpretation of findings obtained by means of experimental and empirical methods.

Requisite: Psychology 11. Elective for Sophomores. First semester. Omitted 1970–71.

24. Cognition. A study of cognitive processes with emphasis upon the techniques by which man represents his world and the consequences of representation for behavior.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Olver.

24f. Cognition. Same course description as 24.

Elective for Freshmen. First semester. Professor Olver.

25s. Learning and Behavior Theory. A study of principles of learning with emphasis on current research and theoretical formulations. Class meetings and laboratory sessions.

Requisite: Psychology 11. Elective for Sophomores. Second semester. Professor Robinson.

26. Physiological Psychology. Selected topics concerned with biological correlates of psychological functions.

Requisite: Psychology 11 or, for Juniors, the permission of the instructor. Elective for Freshmen. Second semester. Professor Robinson.

27. Developmental Psychology. A study of human development with emphasis upon the general characteristics of various stages of development from birth to adolescence and upon general determinants of the developmental process.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Olver.

28f. Abnormal Psychology. A study of the etiology and psychodynamics of psychological deviance with a focus on the psychological diagnosis and psychotherapy of the behavior disorders.

Requisite: Psychology 11. Elective for Sophomores. First semester. Omitted 1970–71.

29s. Human Sexuality. A study of the biological and psychological findings concerning the development and expression of sexuality.

Elective for Freshmen. Second semester. Omitted 1970–71. Professor Coplin.

30. Viewpoints and Theory. A study of basic issues in psychological inquiry with emphasis upon those which pertain to systematic and theoretical formulations. Special attention will be given to the nature of explanation and theorizing in psychology.

Requisite: Psychology 11. Second semester. Omitted 1970–71. Professor Koester.

31s. Motivation. A study of motivational determinants of behavior phenomena.

Requisite: Psychology 11. Elective for Sophomores. Second semester. Omitted 1970–71.

32f. Introduction to Psychoanalytic Thought. A study of psychoanalytic attempts to provide a theoretical understanding of human personality.

Requisite: Psychology 11. Limited enrollment; permission of the instructor required. Elective for Sophomores. First semester. Professor Koester.

34. Educational Psychology. A psychological analysis of the educational process. The course is designed both for prospective teachers and for those who have a general interest in the field of education. One two-hour seminar a week.

Requisite: Psychology 11. Elective for Sophomores. Limited to fifteen students with the consent of the instructor. Second semester. Professor Grose.

36. Psycholinguistics. Selected topics in the psychology of language focusing on the psychological processes involved in speaking and understanding language and the consequences of such processes for perception, thought, and behavior.

Requisite: Psychology 11 and the permission of the instructor. Elective for Sophomores. Limited enrollment. Second semester. Professor Olver.

41. Psychology Seminar. Members of the department will occasionally offer seminars designed to give the student an opportunity to study a selected topic in depth.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. First semester. Omitted 1970–71. Professor Koester.

42. Psychology Seminar. Same type of course as Psychology 41. Selected topics in personality.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Second semester. Professor Koester.

68. Junior Tutorial Course. Exploration of a problem area in psychology leading to the preparation of a senior honors research project.

Requisite: Four courses in psychology including Psychology 23. Required of junior majors who plan to do honors work in their senior year and open only to those students who have received departmental approval. Second semester. Omitted 1970–71.

77, 78 or D78. Senior Honors Course. Elective for senior majors in psychology who have received departmental approval. First and second semesters.

97, H97; 98, H98. Independent Study or Research. This course is open to qualified students who desire to engage in independent reading on selected topics or conduct research projects. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. A full course or a half course.

Elective for Juniors with the consent of the instructor. First and second semesters.

RELIGION

Professors B. Morgan, Mudge and Pemberton*; Assistant Professor Lee.

Major Program. Majors in Religion are required to take Problems of Inquiry 1, Religion 11, Introduction to Religion, and seven additional semester courses in Religion or related studies approved by the Department.

All majors are required, early in the second semester of the senior year, to take the comprehensive examination in Religion which will deal with the history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, historical theology and philosophy of religion. Further information may be obtained from the members of the Department.

Honors Program. Honors in Religion shall consist of Religion 75 Methodology in the Study of Religion, and the conference course, Religion 77, 78, taken in conjunction with a major in Religion (six additional semester courses are required for honors majors); satisfactory fulfillment of the gen-

*On leave 1970–71.

eral honors requirements of the College; satisfactory performance in the comprehensive examination; and the satisfactory preparation and oral defense of a scholarly essay on a topic approved by the Department.

Distribution Sequences. Two-course sequences: Religion 11 and 12, 16, or 21; Religion 13 and 14; Religion 11 and one of the following courses: Religion 14, 34 35, or 37.

Three-course sequences: One of the above two-course sequences and an additional upper level religion course. With the permission of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

11. Introduction to Religion. A systematic examination of the phenomenon of religion, its social, cultural, psychological, and personal ramifications, and the facts of similarity and diversity. Two case studies from Asian and Western settings. Four class hours per week.

Elective for Freshmen. First semester. Professors Mudge and Lee.

12. Religion in India, China and Japan. A survey of the historical development of archaic, historic and modern religion in India, China, and Japan with reference to the development of Christianity in the West. An evolutionary and comparative theory of religion, based upon the writings of Bellah, Geertz, Parsons, Weber, et. al., will be used. Four class hours per week.

Requisite: Religion 11, Sociology 11, or Anthropology 11, or consent of the instructor. Elective for Freshmen. Second semester. Professor Lee.

13s. The Old Testament. Foundations of the Hebrew-Christian tradition in the history, literature, and thought of the Old Testament. Emphasis is placed both on the biblical materials themselves and on the varying methodologies of contemporary Old Testament interpretation. Three class hours per week.

Elective for Freshmen. Second semester. Professor Mudge.

14. The New Testament. Foundations of the Christian tradition in the history, literature, and thought of the New Testament. Emphasis is placed both on the biblical materials themselves and the varying methodologies of contemporary New Testament interpretation. Three class hours per week.

Requisite: Religion 13 or consent of the instructor. Elective for Freshmen. Second semester. Omitted 1970–71. Professor Mudge.

16. The Western Religious Tradition. An examination of the development of Jewish and Christian thought from the Talmud and the Church Fathers to the present. Readings will include selections from the Talmud, St. Augustine, Maimonides, St. Thomas Aquinas, Dante, the Reformers, and later Jewish and Christian writers. Four class hours per week.

Elective for Freshmen. Second semester. Omitted 1970–71. Professor Pemberton.

21. The History of Christian Social Thought. Study of original sources, from the Bible to the present day, along with such analytical and interpretive studies as Ernst Troeltsch, *The Social Teaching of the Christian Churches;* several essays of Max Weber; H. Richard Niebuhr, *Christ and Culture;* and James M. Gustafson, *Christ and the Moral Life.* Four class hours per week.

Requisite: Religion 11, 13, 14, 16, or Colloquium 24, or consent of the instructor. Elective for Sophomores. First semester. Professor Morgan.

33. Philosophy of Religion. An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Same course as Philosophy 33. Three class hours per week.

Requisite: Permission of the instructor. (Suggested: Philosophy 11 and either Philosophy 17 or Religion 16.) Elective for Sophomores. First semester. Omitted 1970–71. Professor Pemberton.

34. Religion in America. An examination of the intellectual and social history of religion in America, and its interaction with the changing cultural setting. Intensive study of black religion and its inter-action with the dominant religious structures. Same as American Studies 34. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Omitted 1970–71. Professor Morgan.

35. Contemporary Religious Thought: The Search for Meaning in the East and West. A systematic inquiry into the religious problem of meaning seen as the loss of cultural identity in Japan and as the absence of God in the Christian West. The cultural (religious) resources of both the East and West will be used in a constructive attempt to understand modern man's quest for meaning. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. First semester. Professor Lee.

36. Christian Ethics in Contemporary Context. The social thought and action of modern Christian theologians and churchmen, in a setting characterized by the revolution in scientific technology, the revolutionary movements of the Third World, the intractability of international and intergroup hostilities, and the making of counter-cultures. Four class hours per week.

Requisite: Religion 11, 16 or 21, or consent of the instructor. Elective for Juniors. Second semester. Professor Morgan.

62. Biblical Symbols and Socially Shared Meanings. An approach to interpretation in the light of the sociology of knowledge. Intentional communities and social change. Readings chosen from such writers as Marx, Mannheim, Barth, Bultmann, Moltmann, Pannenberg, Bloch, Winter and Berger.

Requisite: Religion 11, 13, 14, or 24. Elective for Juniors. Second Semester. Professor Mudge.

75. Methodology in the Study of Religion. At Amherst, required of and limited to candidates for honors in religion. Methods of interpreting religious phenomena. The relations and distinctions between studies in religion and other scholarly disciplines. Selected examples from various traditions. One meeting a week. The seminar will move from campus to campus throughout the term.

First semester. Professors Lewis Mudge (Amherst), William Shepherd (Smith), and J. Fiegenbaum (Mount Holyoke).

77. Conference Course. Required of candidates for honors in religion: Preparation and oral defense of a scholarly essay on a topic approved by the Department. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester.

Elective for Seniors with the consent of the instructors. First semester. The Department.

D78. Conference Course. Required of candidates for honors in religion: A continuation of Religion 77. A double course.

Elective for Seniors with the consent of the instructors. Second semester. The Department.

97. Special Topics. Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department. First semester. The Department.

98. Special Topics. Independent Reading Course. Same description as Religion 97. Second semester. The Department.

RUSSIAN

Assistant Professors Fischer and Peterson and Visiting Assistant Professor Zelljadt.

Major Program. The major must include the following courses: Russian 11, 12, 21, 22 plus four upper-level Russian courses offered in the Department or at one of the neighboring colleges. (Russian 1 through 4 will not count toward the major.)

It is recommended that the major take History 41–42 (Survey of Russian History) and at least two or three courses in one other literature (preferably English, French, or German). In addition to demonstrating a proficiency in spoken and written Russian, the major will be required to pass a comprehensive examination during the second semester of his senior year. A reading list will be provided by the Department to guide him in preparing for the examination.

Honors Program. In addition to the requirements for the major program, the honors candidate must take Russian 77–78 during his senior year and must prepare a thesis on a topic approved by the Department.

Interdepartmental Program: A student may be sufficiently interested in Russian to devote considerable time and effort to the study of the subject while not necessarily feeling inclined to major in it. If this is the case, he should be aware of the possibility of declaring an interdepartmental major under which he could combine the study of Russian with that of another discipline, as e.g. History, Political Science, Economics, another language and/or literature, etc. Before deciding on an interdepartmental major, the student should, of course, consult the College Bulletin (the pertinent section under Degree Requirements) in addition to discussing his academic plans with the Departments involved.

Study Abroad: Since the student of Russian should, if at all possible, acquire some firsthand knowledge of contemporary Russian life and culture, he is strongly urged to spend a summer in the Soviet Union as a participant in one of the study-travel programs currently being offered by a number of American universities and colleges.

Distribution Sequences. Two-course requirement: Russian 21–22 or Russian 11–12 (for the student who has taken Russian 3–4 or its equivalent).

Three-course requirement: Russian 21–22 plus another course in Russian literature in which the reading may be done in English.

1. First-Year Russian. Grammar, pronunciation, oral practice. Five hours per week in class. In addition students may be required to use the language laboratory.

Elective for Freshmen. First semester. Professor Fischer.

2. First-Year Russian. Continuation of Russian 1.

Requisite: Russian 1 or equivalent. Elective for Freshmen. Second semester. Professor Fischer.

3. Second-Year Russian. Intensive review and further study of grammar. Emphasis on development of aural comprehension and oral fluency. Reading and analysis of selected texts. Five class hours per week. In addition, students may be required to use the language laboratory.

Requisite: Russian 2, or equivalent. Elective for Freshmen. First semester. Professor Fischer.

4. Second-Year Russian. Continuation of Russian 3.

Requisite: Russian 3, or equivalent. Elective for Freshmen. Second semester. Professor Fischer.

11, H11. Third-Year Russian. Reading and discussion of texts taken from classical and Soviet literature as well as history and current journals. Practice in writing. Four hours or two hours a week; one laboratory hour.

Requisite: Russian 4, or equivalent. First semester. Professor Zelljadt.

12, H12. Third-Year Russian. Continuation of Russian 11.

Requisite: Russian 11. Second semester. Professor Zelljadt.

21. Survey of Russian Literature, Part I. A study of the development of Russian prose fiction and its relationship to Western narrative models. Among the special topics to be discussed are the picaresque novel, literary sentimentalism, the novel in verse, confessional monologues, and the grotesque. Readings will include works of Lermontov, Gogol, and the early Dostoevsky, and will culminate with the realistic novels of Turgenev and Goncharov. All readings in English. Two class sessions per week.

Elective for Sophomores. First semester. Professor Peterson.

22. Survey of Russian Literature, Part II. Major writers and trends in Russian literature from about 1860 on into the 20th century. Readings will include selected works of Tolstoy, Dostoevsky, Chekhov, Gorky, the Russian Symbolists and 'Decadents', as well as Vladimir Nabokov. All readings in English. Two class sessions per week.

Elective for Sophomores. Second semester. Professor Fischer.

23. Russian Literature of the Soviet Period. On the basis of representative literary works, the course will examine the impact of the Revolution on literature, literary trends and polemics of the 1920's, the effects of politically imposed dogma ("Socialist Realism"), and the post-Stalinist revival of prose and poetry (Pasternak, Solzhenitsyn, Voznesensky, Evtushenko). Readings in translation or in the original, depending on language proficiency. Two class sessions per week.

Elective for Sophomores. First semester. Professor Fischer.

28. Leo Tolstoy. A study of selected autobiographical, fictional, and doctrinal writings. Particular emphasis will be placed on Tolstoy's lifelong struggle to adjust experiential and ideological perceptions of reality. Among the works to be explored will be *Childhood-Boyhood-Youth, War and Peace, My Confession, What is Art?, Resurrection,* and *Master and Man.* All readings in English.

Elective for Sophomores. Second semester. Professor Peterson.

77. **Senior Honors Course.** Meetings to be arranged.
Open to, and required of, seniors writing a thesis. First semester. The Department.

78. **Senior Honors Course.** Meetings to be arranged.
Open to, and required of, seniors writing a thesis. Second semester. The Department.

Slavic Studies. See page 180.

Sociology. See pages 73, 75.

SPANISH

Professors Cannon (Chairman) and Johnson; Assistant Professor Kent; and assistants.

Major Program. The student majoring in Spanish must elect Spanish 21 and 22 and the equivalent of six other semester courses (exclusive of Spanish 1 and 5) offered or approved by the Department. He must demonstrate a proficiency in spoken and written Spanish; at the discretion of the department, he may be required to take Spanish 14 or an equivalent course. He must also pass a comprehensive examination given by the Department in January of his senior year. A maximum of two half courses may be credited toward the major.

Honors Program. Same as above, except that the candidate for honors must elect in addition Spanish 77 and Spanish D78.

Combined Majors. Both *rite* and honors majors may be taken in combination with other fields, e.g. Spanish and Italian or French, Spanish and Religion, Spanish and Fine Arts. Plans for such combined majors must be approved in advance by representatives of the departments concerned.

Study Abroad. Students majoring in Spanish are encouraged to spend a summer, a semester, or a year studying in Spain or Spanish America. Plans for study abroad must be approved in advance by the Department.

Distribution Sequences. The distribution requirement may be satisfied in Spanish by electing Spanish 11 and any one or two other courses in the Department (exclusive of Spanish 1 and 5), or by proposing some other sequence and securing approval of it from the Department. With the approval of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

1. Elementary Spanish. For students who have had no previous study of Spanish or whose CEEB scores in Spanish are under 400. Seven hours a week in class, section, and laboratory.

First semester. Professor Johnson.

5. Intermediate Spanish. For students who have completed Spanish 1 or whose CEEB scores range from approximately 400 to 500. Six hours a week in class, section, and laboratory.

First semester. Professor Kent.

5s. Intermediate Spanish. Same description as Spanish 5.

Second semester. Staff.

11. Introduction to Hispanic Literature. Readings in modern Spanish and Spanish American literature.

Requisite: Spanish 5, or scores above 500 on the CEEB tests, or permission of the instructor. First semester. Professor Cannon.

11s. Introduction to Hispanic Literature. Same description as Spanish 11.

Second semester. Professor Cannon.

14 or H14. Spanish Prose Composition and Style. This course is designed to strengthen and refine the student's mastery of the Spanish language. Practice in free composition and in translation of examples of a variety of styles. One or two meetings, depending upon student interest and need. A full or a half course.

Requisite: Spanish 11, or permission of the instructor. Second semester. Professor Johnson.

21. The Dynamics of Spanish Culture. An interdisciplinary study of Spanish consciousness. Topics for reading and discussion will include: grotesque literature, the hero and antihero, ideological commitment and commentaries on Velasquez, El Greco and Goya. Conducted in Spanish.

Requisite: Spanish 11, or permission of the instructor. First semester. Professor Kent.

22. Spanish America. An introductory course. Readings in literature of the Precolumbian and Colonial periods, and of the 19th and 20th centuries. Emphasis on the search for identity. Close study of selected essays, plays, novels, and poems. Conducted in Spanish.

Requisite: Spanish 11 or permission of the instructor. Second semester. Professor Johnson.

27. Minority Expression and Racial Identity in Latin American Literature. An examination of a variety of topics, according to student interest, such as the development of an Afro-Antillean poetry, the literary expression of

the black experience in Argentina, the achievement of a Puerto Rican consciousness, and the plight of the Indian in Mexico, Guatemala, and Bolivia. Students with a reading knowledge of Portuguese may give special attention to similar problems expressed in Brazilian and Afro-Portuguese literature. The work of the instructor will be supplemented by a number of guest lecturers.

Requisite: Reading knowledge of Spanish. First semester. Omitted 1970–71. Professor Kent.

41. Problems in Spanish American Literature. In 1970–71, an evaluation, with particular reference to Venezuela, of the efforts made by creative writers (e.g., Bello, García Marquez, Vargas Llosa, Gallegos) to define the human problem, and to solve it, in rural and urban Latin America. Conducted in Spanish. May be repeated for credit.

Requisite: Spanish 22, or permission of the instructor. Limited enrollment. First semester. Professor Johnson.

42. The Spanish Ballad in Oral Literature. A close study of the *romancero* in conjunction with other traditional forms of Spanish expression. Special attention will be given to comparison with the English ballad. Conducted in Spanish.

Requisite: Spanish 21, or permission of the instructor. Second semester. Omitted 1970–71. Professor Kent.

43s. Cervantes. *Don Quijote de la Mancha,* some exemplary novels, and selections from the other major prose works of Cervantes will be read in Spanish. Conducted in Spanish.

Requisite: Spanish 21, or permission of the instructor. Second semester. Professor Johnson.

44. Versions of Mystical Experience. Discussion of a variety of accounts of mystical life, religious and secular, past and present, with special attention to the great Spanish mystics of the 16th century: San Ignacio de Loyola, Santa Teresa de Jesús, and San Juan de la Cruz. Conducted in English. Students who wish to include the course in a program of Spanish studies must read the Spanish materials in the original and participate in a series of four seminar meetings conducted in Spanish.

Elective for Sophomores. Limited enrollment, by consent of the instructor. Second semester. Professor Cannon.

45. The Literature of the Spanish Civil War. A study of the ways in which the literary imagination, both Spanish and international, has dealt with the Spanish Civil War of 1936–1939. Conducted in English. Students who wish to include the course in a program of Spanish studies must read the Spanish materials in the original and participate in a series of four research seminars conducted in Spanish.

Elective for Sophomores. First semester. Professor Cannon.

46. The Picaresque Novel. A comparative study of the picaroon in European literature with special attention given to the Spanish tradition. Conducted in English. Readings in the original according to student ability.

Elective for Sophomores. Second semester. Professor Kent.

47. The Myth and Literature of Imperial Spain. The response of literature to the historical and social conditions of Hapsburg Spain. Selected works of Fray Luis, Quevedo, Lope, Góngora and others will be discussed as individual solutions to the dilemmas of the "Golden Age." Conducted in Spanish.

Requisite: Spanish 21 or 22, or permission of the instructor. First semester. Omitted 1970–71. Professor Kent.

77. Conference Course for Seniors. Preparation of an honors thesis. The Department.

D78. Conference Course for Seniors. A double course. Preparation of an honors thesis. The Department.

97, H97, 98, H98. Special Topics. The department calls attention to the fact that Special Topics courses may be offered to students on either an individual or group basis. Students interested in forming a group course on some aspect of Spanish life and culture are invited to talk over possibilities with a representative of the department. When possible, this should be done several weeks in advance of the semester in which the course is to be taken.

Interdisciplinary and Special Programs

ASIAN STUDIES

The following regular Amherst College courses are included in Asian Studies: Anthropology 21 and 22; Economics 36 and 38; History 45, 46, 47s, and 48; Political Science 26, and Religion 12.

A number of courses are offered at neighboring institutions. The number of these has, in recent years, become too large to list here in full. Therefore, interested students are referred to a separate printed list of the many Asian and African courses available in the four-college area during the academic year 1970–71. This list is available from faculty members in the social sciences or in the offices of the Registrar and the Dean of the Faculty

A general statement on Five-College courses will be found on page 61 of this Bulletin. A complete list of course descriptions and enrollment information may be obtained from the Registrar.

COLLOQUIA

27. Colloquium in History and Anthropology. (Also listed as History 27 and Anthropology 51.) A comparison of the uses of the disciplines of history and anthropology with reference to Western political institutions, 1250–1750. Emphasis will be placed upon analysis, historical and anthropological, of political rituals (royal coronation and funeral ceremonies), political symbols (the body politic, the crown), social class and mobility, and cultural conceptions of time and change. Reading knowledge of French and/or German is desirable, but not required.

Limited to twenty students. First semester. To be offered only once. Professors Munn and Weary.

36. Ancient and Modern Literature. (Also listed as Classics 36.) The readings are chosen to illustrate some of the resources of the literary imagination and something of the variety of human concerns which writers have entrusted to books.

The class will meet with both instructors for discussion once a week for two hours. Perhaps once a month, and at the beginning of the course more frequently, a student will be expected to submit a journal or commonplace book in which he has recorded a critical appraisal of his reading together with other observations.

Limited to fifteen students. Elective for Juniors with the consent of the instructors. Second semester. Professors Epstein and White.

44. The French Film: The Social Content. (Also listed as French 44 and Dramatic Arts 44). An inquiry into the content of a number of French films from Méliès and Lumière to Godard and Truffaut, in terms of their relevance to chosen aspects of French society. Life styles, values and aspirations of various sections of the French population as seen by these film-makers will be examined. The relationship of some of the trends in the French cinema to literary movements will be noted as will be the structure of the French movie industry. One two-hour viewing session a week; one and one-half hour joint lecture session a week (conducted in English); one and one-half hour seminar session a week (conducted in French).

Requisite: Satisfaction of the language requirement in French. Second semester. Professors Bierman and Pini.

EDUCATION

Professors Hawkins and W. Heath; Associate Professors Grose and Olver.

The following courses offered by the several departments are listed for the convenience of students who are interested in education and teaching. Students seeking to be certified for public school teaching positions should consult the separate materials in the Registrar's Office concerning courses available at the Five Colleges and State certification requirements.

Developmental Psychology. Same course as Psychology 27.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Olver.

Educational Psychology. Same course as Psychology 34.

Requisite: Psychology 11. Elective for Sophomores. Seminar course limited to fifteen students with the consent of the instructor. Second semester. Professor Grose.

Seminar in American Educational History. Same course as History 66f.

Limited to fifteen students. First semester. Professor Hawkins.

English and Education. Same course as English 75s.

Seminar limited to fifteen students. Elective for Juniors. Second semester. Professor Heath.

HISTORY OF SCIENCE

History of Science is offered at Smith College and the University of Massachusetts. A list of specific courses will be found at the Office of the Registrar.

INTERDEPARTMENTAL COURSES

Anthropological Approaches to the Study of Religion. Same course as Anthropology 31.

Elective for Juniors. First semester. Professor Errington.

Biochemistry. Same course as Biology 30 and Chemistry 30.

Requisite: One semester of organic chemistry and one semester of biology. Second semester.

Geochemistry. Same course as Geology 43.

Requisite: Geology 21 and 24, Chemistry 32, or permission of the instructors. Second semester. Professor Kuntz and others.

Introduction to Linguistics. Same course as German 50 and English 29s.

Elective for Juniors, with consent of the instructor. Second semester. Professor Peppard.

Philosophy of Science. Same course as Philosophy 48.

Requisite: Permission of the instructor. (Suggested: two philosophy courses passed with at least a C.) Elective for Sophomores. Second semester. Professor Epstein.

Psycholinguistics. Same course as Psychology 36 and English 30.

Requisite: Psychology 11 and the permission of the instructor. Elective for Sophomores. Limited enrollment. Second semester. Professor Olver.

Religion in India, China and Japan. Same course as Religion 12.

Requisite: Religion 11, Sociology 11, or Anthropology 11, or consent of the instructor. Elective for Freshmen. Second semester. Professor Lee.

Versions of Mystical Experience. Same course as Spanish 44.

Elective for Sophomores. Second semester. Professor Cannon.

LATIN AMERICAN STUDIES

A list of courses has been compiled as an aid to students in the Five-College area seeking programs on Latin America or with Latin American content, containing both general courses which embody topics dealing with Latin America as well as courses devoted substantially or exclusively to the area. The Spanish language is taught at Amherst and Mount Holyoke Colleges, and both Spanish and Portuguese are taught at Smith College and the Uni-

versity of Massachusetts. Mt. Holyoke offers an interdepartmental major in Latin American Studies, while Smith offers two programs in Hispanic-American Studies, one in literature and the second in fields other than literature. A Certificate Program in Latin American Studies will be available, subject to approval, at the University of Massachusetts.

The list of courses in Latin American Studies, complete descriptions of individual courses, and enrollment information may be obtained from the Registrar.

LEGAL STUDIES

Professors Latham and Ziegler.

Foundations of English Law and the Constitution. Same course as History 39s. Origins of the English Constitution; Growth of Common Law; Evolution of Parliament; Development of Monarchy; selected topics in Constitutional Conflict since 1485. Lectures, discussion and individual projects.

Second semester. Omitted 1970–71.

American Constitutional Development. Same course as Political Science 41. The development of American constitutional philosophy since 1787 under three general heads: The Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

Administrative Law. Same course as Political Science 42f. An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meeting per week.

Limited to 25 students. First semester. Professor Ziegler.

International Law. Same course as Political Science 46. The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Professor Ziegler.

SLAVIC STUDIES

A student at Amherst College may develop a program in Slavic Studies from courses offered here and at Mount Holyoke and Smith Colleges and the University of Massachusetts. Courses in the fields of anthropology, economics, government and political science, history, Polish, Russian, and sociology which may be included in a Slavic Studies program are listed in a booklet, published by the Office of the Five-College Coordinator, which is available from the Registrar.

IV

LECTURESHIPS

HONORS

FELLOWSHIPS

PRIZES AND AWARDS

DEGREES CONFERRED

The Amherst Science Center

Lectureships

The Henry Ward Beecher Lectureship. This lectureship fund of $10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

The Clyde Fitch Fund. A fund of $20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

The Victor S. Johnson Lectureship Fund. This fund, amounting to $29,670, was established in memory of Victor S. Johnson by his sons for the purpose of "bringing to the campus each year a stimulating individual worthy of the lecturer's purpose of serving the best tradition of the liberal arts and individual freedom."

The John Woodruff Simpson Lectureship. A fund now amounting to $211,500 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

The George William and Kate Ellis Reynolds Lectureships. A fund of $150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately $10,000 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

The Willis D. Wood Fund. The income from this fund, established in memory of Willis D. Wood '94 and now amounting to $83,990, is used for the purpose of "bringing to the campus, for varying lengths of stay, persons in the field of religion to meet and talk with students and faculty about different aspects of the spiritual life."

Honors

THE PHI BETA KAPPA SOCIETY

Massachusetts Beta Chapter. The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership is extended to about a tenth of the students in each class.

OFFICERS

President: Professor John A. Cameron
Vice-President: Professor John William Ward
Secretary-Treasurer: Professor Andrew Lees
Undergraduate President: Corey E. Lerner '71
Undergraduate Secretary-Treasurer: Roger W. Turton '71

INITIATES

Class of 1971

Roger Holt Cummings
Corey Eliot Lerner
Michael Peter Madow
Roger Wilmot Turton

Class of 1970

Mitchell Graham Ash*
William Hubbard Baxter, III*
John Edwin Beerbower
Selden Ernest Biggs
James Edward Bowlus
Alfred Henry Bromell
Christopher Tapley Carlson
David Lee Carlton
Clark Gomes Casseres*
Curt Ingraham Civin
Edmund Garretson Cook, III
Charles Miller Crouch
Harold Dash*
Mark Winslow Davis*
Bradley Craig Diggs
William Jay Eisen
Joseph Wayne Gordon*
David Alan Howard*
Allan Ames Inouye*
Abram Robert Jacobson
Alan Howard Jaffe
Michael Matthew Kaplan
James Charlton Knox
Hugh Getty Laurence*
Steven Mark Lobel*
Robert Philip Mantica
Kenneth Trerise Martin
Allen George Meek
Robert Sargent Miller
Paul Mintzer
James Paul Parakilas*
Eric Haines Patterson
Thomas Day Rainey
Jay Allen Reich*
Mark Reichelderfer

* These students elected in their junior year

Thomas Zachary Reicher*
John Philip Reimherr
Peter Marc Rosenblum
James Adam Rothendler
Lawrence Richard Sidman
Andrew Barnett Sims*
Joseph Mallory Strayhorn, Jr.*
Thomas Hugh Troland
Scott Frederic Turow
William Thomas Vetterling*
John Morris Willard
Ronald Odin Wold

* These students elected in their junior year

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).† At present the chapter has a total membership of some 100 faculty and students.

OFFICERS

President: Professor Allen Kropf
Vice-President: Professor Rose R. Olver
Secretary-Treasurer: Professor Charles H. Ellis, Jr.

INITIATES 1970

Bernard Stephen Alpert
William Lee Battema
Thomas Norris Brock
David Harry Cahan
Curt Ingraham Civin
Carlton Perry Cooke, III
Mark Winslow Davis
Francis Lee Griffin
Abram Robert Jacobson
Richard Gregory Kellogg
Robert Gentry Knowlton
Peter Mark Levine
Jamson Lwebuga-Mukasa
James Francis Manwell
Allen George Meek
Robert Sargent Miller

† Full membership is reserved for individuals who have already published at least one scholarly paper.

Eric George Nelson
Robert Allan Reichert
James Adam Rothendler
David Maurice Sanger
William Burtis Sheldon
Joseph Mallory Strayhorn, Jr.
James Richard Thistlethwaite, Jr.
Thomas Hugh Troland
Charles Robert Tucker
William Thomas Vetterling
Ronald Odin Wold

THE BOND FIFTEEN

The Bond Fifteen is an honorary designation for the fifteen seniors who have attained the highest general standing in their class at the end of the first semester of the senior year. The title is derived from a prize, given by Ephriam W. Bond of the Class of 1841, which was formerly awarded to a speaker, chosen from this group on the basis of literary and oratorical merit, to deliver an oration during Commencement Weekend.

THE BOND FIFTEEN 1970

William Hubbard Baxter, III
Harold Dash
Mark Winslow Davis
William Jay Eisen
Joseph Wayne Gordon
David Alan Howard
Allan Ames Inouye
Hugh Getty Laurence
Steven Mark Lobel
James Paul Parakilas
Jay Allen Reich
Thomas Zachary Reicher
Andrew Barnett Sims
William Thomas Vetterling
Ronald Odin Wold

Fellowships

THE College's funds for fellowships aggregate $849,487. From the income of these funds fellowships are awarded annually to graduates of Amherst College for study in graduate or professional schools. Applications should be made before February 15 on forms available from the Dean of the Faculty.

The names of those to whom fellowships have been awarded for the current year will be found on pages 19–21.

The Amherst-Doshisha Fellowship. Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of $1,800, a travel allowance of $1,400, and incidental expenses of $250. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through South East Asia during February and March.

Applicants should apply to the President of the College, with a view to having a decision in mid-February.

The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry. A fund of $135,800 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have

given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Henry P. Field Fellowships. Two fellowships of $500 each are available from the income of the bequest of the late Henry P. Field of the Class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

The Edward Hitchcock Fellowship. The income from a fund of $20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N.Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

The Roswell Dwight Hitchcock Memorial Fellowship. A fund of $9,200, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

The Rufus B. Kellogg University Fellowship. The income from a fund of $67,800 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

The Sterling P. Lamprecht Fellowship. From the income of $31,500, a fellowship is awarded to a recent graduate of Amherst College for assistance in the pursuit of philosophy. This fellowship may be awarded to the same man for a maximum of three years. It need not be awarded at all in one particular year, and it might be, if there were no suitable graduate, awarded to an undergraduate in which case it would be known as the Sterling P. Lamprecht Scholarship. Preference, however, would be given for graduate study.

The Edward Poole Lay Fellowship. The income from a fund of $47,500, established by Frank M. Lay, of the Class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the Class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental

music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Mayo-Smith Teaching Fellowship. This fellowship provides that a member of the graduating class interested in a career in education be named "Assistant to the Director of Admissions."

The Forris Jewett Moore Fellowships. These fellowships, three in number, were established in memory of Forris Jewett Moore of the Class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of $32,600, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.
2. A fund of $24,200, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.
3. A fund of $28,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

The George Stebbins Moses Memorial Fellowship. The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The George A. Plimpton Fellowships. These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the Class of 1876, a member of the Board from 1890 to 1895 and from

1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

The Charles B. Rugg Fellowship. The income from a fund of $25,900 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

The John Woodruff Simpson Fellowships and Lectureships. A fund now amounting to $211,500 was established in memory of John Woodruff Simpson of the Class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Benjamin Goodall Symon, Jr. Memorial Fellowship. The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified

scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The fellowship will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The Roland Wood Fellowship. Awarded annually upon the recommendation of the Department of Dramatic Arts as a fellowship to one or more promising and deserving graduates of Amherst College for continued study in or of the theater.

Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome. The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any teacher of Classics at the College.

Prizes and Awards

THE following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

AMERICAN STUDIES

The George Rogers Taylor Prize, to be awarded annually to the student enrolled in American Studies 12 who in the opinion of the American Studies Department shows most promise for creative and scholarly work in the field of American Studies. *Jay Allen Reich '70.*

ART

The Anna Baker Heap Prize, from the income of a fund of $2,000, established by the late Arnold N. Heap of the Class of 1873; $170 is awarded to that Senior who submits the best essay in the field of "Art." *James Elliot Curry '70.*

The Athanasios Demetrios Skouras Prize of $80 is given annually by an anonymous donor in the memory of Athanasios Demetrios Skouras, of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings. The prize is given to a student who in the opinion of the Fine Arts Department has created an outstanding work of art or architecture or to a student who, in the opinion of the Music Department, was preeminent in music composition or rendition of a musical selection. Preference to be given in the fine arts. *John Ronald Dewdney '70.*

BIOLOGY AND GEOLOGY

The Harvey Blodgett Scholarship, from the income of a fund of $2,800, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the Class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases. Combined with The Phi Delta Theta Scholarship and awarded to *Peter Bens McEvoy '71.*

The Phi Delta Theta (Sigma) Scholarship, from the income of a fund of $600, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology. Combined with The Harvey Blodgett Scholarship and awarded to *Peter Bens McEvoy '71.*

AMHERST COLLEGE

The Oscar E. Schotté Prize, an award to be given to "that member of the graduating class who in the opinion of the Department has done the best independent work in Biology." Combined with the Oscar E. Schotté Scholarship and divided between *William Lee Battema '70 and Curt Ingraham Civin '70.*

The Oscar E. Schotté Scholarship is awarded annually to a member of the junior or senior class majoring in science to enable him to complete a special project during the summer months. Combined with the Oscar E. Schotté Prize and divided between *William Lee Battema '70 and Curt Ingraham Civin '70.*

CHEMISTRY AND MEDICINE

The Howard Waters Doughty Prize, from the income of a fund of $1,200, given anonymously; $100 is awarded to that member of the senior class who, in the opinion of the chemistry department, has prepared the best honors thesis. *Allen George Meek '70.*

The Frank Fowler Dow Prizes, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; $300 is awarded to a member or members of the junior or senior class preparing to enter medical school and whose undergraduate work indicates a career of usefulness and distinction in medicine. Divided between *Harold Dash '70 and Francis Lee Griffin '70.*

DRAMATICS

The Raymond Keith Bryant Prize, an annual gift of $37 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the Class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play. *George William Bentley '70.*

ECONOMICS

The W. T. Akers, Jr. Prize of $50, provided by an annual gift from W. T. Akers, Jr., of the Class of 1927, is awarded to that undergraduate who has, in the opinion of the economics department, written and submitted the best honors essay in economics. Divided between *John Edwin Beerbower '70 and Stuart Lunsford Sessions '70.*

The Hamilton Prize, established by his former students in memory of Professor Walton Hale Hamilton, distinguished member of the Department of Economics from 1915 to 1923, consisting of a collection of economics books, is awarded to that student other than a senior who ranks highest in the introductory economics course. *Douglas Donald Koch '73.*

The Merrill Center Prize, a prize of $100 to be given to that member of the senior class who, in the opinion of the Economics Department, has written an honors thesis of distinction upon a subject related to capital formation and economic growth. *Clark Gomes Casseres '70.*

The Sylvester Award, supported by an annual gift from Albert L. Sylvester of the Class of 1924, goes to the junior majoring in economics, who has shown himself outstanding in his work in that Department while maintaining a worthy general average. If the recipient is already on the scholarship list, the award is $750; if not, the award is a prize of $100 and the remainder goes to Frost Library for the purchase of books in economics. Divided between *Roger Holt Cummings '71 and Edward John Lincoln '71.*

ENGLISH

The Academy of American Poets Prize, of $100, made possible by a gift of Harry Woodbourne, is awarded annually for the best poem or group of poems, preferably on nature, submitted by an undergraduate. *Stevan John Cavalier '72.* Honorable Mention: *Thomas Malcolm Skove, Jr. '73.*

The Armstrong Prize, from the income of a fund of $2,700, established in part by Collin Armstrong of the Class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of $110 to members of the freshman class who excel in composition. *No Award.*

The Collin Armstrong Poetry Prize, from the income of a fund of $2,700, established in part by Mrs. Elizabeth H. Armstrong; $110 is awarded to the undergraduate author of the best original poem or group of poems. Divided between *Eric Richard Biggs '72 and Lee Sumner Richards, III '72.*

The Corbin Prize, from the income of a bequest of $1,000 established by the estate of William Lee Corbin of the Class of 1896; $90 is awarded for an outstanding original composition in the form of poetry or an informal essay. *Alan Michael Webber '70.*

The John Franklin Genung Prize, of $50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition. *No Award.*

The Harry Richmond Hunter, Jr. Prize, from the income of a fund of $1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the Class of 1929; $50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department. *No Award.*

AMHERST COLLEGE

The Peter Burnett Howe Prize for excellence in prose fiction, established by a gift of Robert B. Howe of the Class of 1930 in memory of his son Peter Burnett Howe, '60. The prize is awarded to an undergraduate for excellence in prose fiction. Divided between *John Frederick Pfeil '71 and Karl Hemingway Krieger '70.*

The Ralph Waldo Rice Prize, from the income of a fund of $1,900, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the Class of 1910; $160 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty. *Joseph Wayne Gordon '70.*

FRENCH

The Frederick King Turgeon Prize in French Literature. The income from a fund established by former students of Frederick King Turgeon, Professor of French at Amherst College (1926–1969), upon the occasion of his retirement is to be used for the annual award of a book to the student who, in the judgment of the Department of French, has done particularly distinguished work in French literature during the year. Books awarded to *James Elder Michael, Jr. '70 and Jonathan Louis Alper '71.*

GREEK

The William C. Collar Prize, from the income of a fund of $1,400 established by the late William C. Collar of the Class of 1859; $120 is awarded to the member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author. *Dennis Lackey Curry '73.*

The Hutchins Prize, from the income of a fund of $1,400, established by the late Waldo Hutchins of the Class of 1842; $120 is awarded to an upperclassman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates. *Kenneth Trerise Martin '70.*

The Harry deForest Smith Scholarship is awarded to a member of the freshman class enrolled in one of the regular courses in the Department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship. The amount of the stipend is based on the financial need

of the winner according to the regular scholarship procedures of the College. It is renewable after freshman year in accordance with the regular scholarship policy. In cases where there is no demonstrable financial need, the winner will receive an honorary $100 stipend for the first year. *Dennis Lackey Curry '73.*

JOURNALISM

The Samuel Bowles Prize, from the income of a fund of $4,500 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of $355 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship. *Robert Stuart Nathan '70.*

LATIN

The Bertram Prizes, from the income of a fund of $2,800, established by the late John Bertram of Salem; two prizes of $145 and $85 each are awarded to those students who, together with attaining a high average in the Latin courses of the senior year, present the best essays on some approved topic connected with these courses. *No Award.*

The Billings Prizes, from the income of a fund of $1,300, established by Frederick Billings in memory of Parmly Billings of the Class of 1884; two prizes of $75 and $35 are awarded for general excellence in the Latin courses of the sophomore year together with the best essays on special topics connected with the authors read in that year. First Prize: *James Lawrence Butrica '72;* Second Prize: *No Award.*

The Crowell Prizes, from a fund of $2,300 in memory of Edward Payson Crowell of the Class of 1853; prizes of $70 and $30 are awarded for the highest scholarship in the freshman Latin courses; prizes of $70 and $30 are awarded to the students who, together with attaining a high average in the Latin courses of the junior year, present the best essays on some approved topic connected with the junior Latin course. Freshman Award: First Prize: *Dennis Lackey Curry '73;* Second Prize: *John Lee Ellis '73.* Junior Award: First Prize: *Loring Mandell Danforth '71;* Second Prize: *No Award.*

MATHEMATICS, PHYSICS AND ASTRONOMY

The Bassett Physics Prizes, from the income of a fund of $5,250 established by Preston Rogers Bassett of the Class of 1913; two prizes up to $100 and $50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their perform-

ance in the class and laboratory work of the first course in Physics. First Prize: *James Roger Scholten '73;* Second Prize: *Thomas Wrightington Blackwell '72.*

The Porter Prize, from the income of a fund of $700, established by the late Eleazer Porter of Hadley; a prize of $50 is awarded for proficiency in first year astronomy. *David John Helfand '72.*

The William Warren Stifler Prize, from the income of a fund of $1,000, created by the late Professor Stifler; $90 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism. *William Thomas Vetterling '70.*

The Walker Prizes, from the income of a fund of $6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of $180 and $90 are awarded for proficiency in mathematics of the first year, and two prizes of $180 and $90 for proficiency in mathematics of the second year. In each case the award is determined by an examination. *No Awards.*

MUSIC

The Eric Edward Sundquist Prize, from the income of a fund established anonymously in memory of Eric Edward Sundquist of the Class of 1936; $70 is awarded annually to that senior who has demonstrated excellence in musical composition and performance. Divided between *Charles Augustus Ferguson, Jr. '70 and David Alan Howard '70.*

PHILOSOPHY AND RELIGION

The Moseley Prizes, from the income of a fund of $7,800 established by the late Thomas W. H. Moseley of Hyde Park; two prizes of $450 and $230 are awarded to members of the senior class for the best essays on a subject pertaining to the study of religion. Combined and divided between *Mark Reichelderfer '70 and Thomas Zachary Reicher '70.*

PHYSICAL EDUCATION

The Sawyer Prizes, from the income of a fund of $2,000, established by the late Edmund H. Sawyer, Hon. 1878; $175 is available for prizes for improvement in the department of Physical Education. Senior Class: *Robert Bernstein '70;* Sophomore Class: *Gregory Russell Ellis '72.*

POLITICAL SCIENCE

The Densmore Berry Collins Prize in Political Science, of $50, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore

Berry Collins, of the Class of 1940. The award will be made to the student submitting the best honors thesis in Political Science. *Timothy Woodhouse Armour '70.*

PUBLIC SPEAKING

The Bancroft Prizes, of $360 and $210, from the income of a fund of $6,500 established by the late Frederic Bancroft of the Class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards. First Prize: *Paul Gerard LaFerriere '70;* Second Prize: Divided between *Bruce George Cuthbert Bayne '70 and Scott Frederic Turow '70.*

The Bond Prizes, from the income of a fund of $3,100 established by the late Ephraim W. Bond of the Class of 1841; $165 and $55 are awarded for the best productions spoken at the Senior Chapel service. The awards are determined by a committee appointed by the Trustees upon nomination by the Faculty. *No Awards.*

The Gilbert Prize of $100, from the income of a fund established by the late William O. Gilbert of the Class of 1890, is awarded to a member of the junior class who produces the best oration. Both composition and delivery are considered in making the award. *Keith Lawrence Miller '71.*

The Hardy Prizes, from the income of a fund of $1,300, established by the late Alpheus Hardy of Boston; prizes of $75 and $35 are awarded for excellence in extemporaneous speaking. First Prize: *Edward Hofkin Merves '71;* Second Prize: Divided between *Lawrence David Dardick '73 and Steven Lazar Emanuel '73.*

The Kellogg Prizes, from part of the income of a fund of $67,800, established by the late Rufus B. Kellogg of the Class of 1858; two prizes of $70 and $50 are awarded to members of the sophomore or freshman classes for excellence in declamation. First Prize: *Alan David Maislen '72;* Second Prize: *Stephen Larcher Cochran '73.*

The Rogers Prize, from the income of a fund of $1,700, given by Noah C. Rogers of the Class of 1880; $120 is awarded to a member of the junior class for excellence in debate. *No Award.*

SCHOLARSHIP AND CITIZENSHIP

The Borden Freshman Prize, from a fund established by the Borden Company, an award of $200 is made annually to that member of the freshman class who has achieved the highest average grade for all college work taken during the freshman year. Divided among *William Warren Kessler '72, Mark Jeffrey Kuperberg '72, and David Samuel Turesky '72.*

The Addison Brown Scholarship, from the income of a fund of $6,300, established by the late Addison Brown of the Class of 1852; $555 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years. *William Thomas Vetterling '70.*

The Samuel Walley Brown Scholarship, from the income of a fund of $6,300, established by the late Samuel Walley Brown of the Class of 1866; $555 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability. *Roger Holt Cummings '71.*

The Computer Center Prize. For outstanding contributions in the application of the computer to a broad range of academic disciplines, and for help to students and faculty at the Computer Center. *Clark Allen Wiedmann '70.*

The Friends of the Amherst College Library Prizes for Student Book Collections. The prizes are given for book collections which reflect a bibliophilic interest in books and a serious attempt to develop a personal collection of book materials capable of supporting research in the subject field of the collection. First Prize: *No Award;* Second Prize: *Manuel Michael Urrizola, Jr. '72;* Third Prize: *No Award.*

The Frank A. Hosmer Scholarship, from the income of a fund of $15,000 established by Frank A. Hosmer of the Class of 1875; $600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year. *David Samuel Turesky '72.*

The Robert L. Leeds, Jr. Honor Award. A $100 bond and an engraved medallion are presented in honor of Robert Leeds, Jr. of the Class of 1951 to an Amherst senior who has demonstrated through action a lasting commitment to projects of social concern. *Calvin Peter Sebastian Ward, Jr. '70.*

The Gordon B. Perry Memorial Award, from the income of a fund of approximately $1,500, provides a trophy and cash prize of $125 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding. Divided between *Gregory Scott Lewis '73 and Donald Craig Martin '73.*

The Porter Admission Prize, from the income of a fund of $1,200, established by the late Eleazer Porter of Hadley; $105 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst.

The name of the successful candidate, together with that of his school, is published in the catalog. *Mark Andrew Troll '73,* Midwood High School (Brooklyn, New York).

The Psi Upsilon Prize, from the income of a fund of approximately $5,800, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; $400 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be "The First Citizen of the College." *Harold Dash '70.*

The John Sumner Runnells Memorial, from the income of a fund of $6,300, established in memory of John Sumner Runnells of the Class of 1865; $555 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preeminent in his zeal for knowledge and industry to attain it. *Edward Rooker Phillips '71.*

The Obed Finch Slingerland Memorial Prize, from the income of a fund of $13,650 established by an anonymous donor; $1,100 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education. *Daniel Richard Quinn '70.*

The Sylvester Scholarship of $750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields. *John Ronald Dewdney '70.*

The Stanley V. and Charles B. Travis Prize, from the income of a fund of $2,850; established by the late Charles B. Travis of the Class of 1864; $225 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course. Combined with The Woods Prize and divided between *Karl Hemingway Krieger '70 and Steven Mark Lobel '70.*

The Woods Prize, an annual gift of $55 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course. Combined with The Travis Prize and divided between *Karl Hemingway Krieger '70 and Steven Mark Lobel '70.*

The Robert E. Bauser Memorial Award of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the senior class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54. *James Charlton Knox '70.*

The Ashley Memorial Trophy, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game." *John Edward Kehoe '70.*

The Howard Hill Mossman Trophy, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship. *John Edward Kehoe '70.*

The Lincoln Lowell Russell Prize, from the income of a fund of $1,200 established by the late J. W. Russell, Jr. of the Class of 1899 in memory of his son; $105 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College. Divided between *Timothy Woodhouse Armour '70 and William Danforth Hayes, III '70.*

Degrees Conferred

NOVEMBER 1, 1969

Cum laude

David Charest Howell
Natural Sciences
Worcester, Massachusetts

Rite

William Eldon Ball, Jr.
St. Louis, Missouri

Robert Penfield Jones, Jr.
Albany, New York

Muneer Shahnawaz
Karachi, Pakistan

MAY 6, 1970

Rite

William Carl Hall
West Hartford, Connecticut

James Talcott Linford
Piedmont, California

Brock Putnam, II
Princeton, New Jersey

JUNE 5, 1970

Summa cum laude

William Hubbard Baxter, III
Anthropology
Amherst, Massachusetts

John Edwin Beerbower
Economics
Dayton, Ohio

Clark Gomes Casseres
Economics
Curacao, Netherlands Antilles

Harold Dash
Independent Scholar
Wyncote, Pennsylvania

William Jay Eisen
Independent Scholar
University Heights, Ohio

Joseph Wayne Gordon
English
Skokie, Illinois

David Alan Howard
Music
Great Neck, New York

Allan Ames Inouye
Independent Scholar
Honolulu, Hawaii

Hugh Getty Laurence
Independent Scholar
Whitby, Ontario, Canada

Steven Mark Lobel
Independent Scholar
Rockville Centre, New York

Paul Mintzer
Independent Scholar
Hollywood, Florida

James Paul Parakilas
Independent Scholar
Enfield, Connecticut

Eric Haines Patterson
Independent Scholar
Amherst, Massachusetts

Jay Allen Reich
American Studies
Pittsburgh, Pennsylvania

Mark Reichelderfer
Religion
Winnetka, Illinois

Thomas Zachary Reicher
Interdepartmental
Syracuse, New York

Peter Marc Rosenblum
Independent Scholar
New York, New York

Andrew Barnett Sims
History
New Rochelle, New York

Joseph Mallory Strayhorn, Jr.
Psychology
Nashville, Tennessee

William Thomas Vetterling
Physics
Greenfield, Massachusetts

Ronald Odin Wold
Geology
Beaverton, Oregon

Magna cum laude

William Philip Alford
American Studies
Newton Centre, Massachusetts

Mitchell Graham Ash
Independent Scholar
Louisville, Kentucky

William Lee Battema
Biology
Darien, Connecticut

Selden Ernest Biggs
Independent Scholar
Belmont, Massachusetts

David Alan Bookhout
English
Oneonta, New York

Robert Edward Bourque
Economics
Augusta, Maine

James Edward Bowlus
English
London, Ohio

Alfred Henry Bromell
Independent Scholar
Amherst, Massachusetts

David Lee Carlton
American Studies
Spartanburg, South Carolina

Curt Ingraham Civin
Independent Scholar
Loudonville, New York

Steven Janeway Conger
Independent Scholar
Denver, Colorado

Edmund Garretson Cook, III
Political Science
Rosemont, Pennsylvania

Mark Winslow Davis
Mathematics
Katonah, New York

John Ronald Dewdney
Independent Scholar
Durham, New Hampshire

Bradley Craig Diggs
Economics
Missoula, Montana

Robert Samuel Duboff
Independent Scholar
Scarsdale, New York

Charles Augustus Ferguson, Jr.
Independent Scholar
Norbeck, Maryland

Christopher Taylor Greene
Independent Scholar
Angola, New York

Thomas Francis Horan
Fine Arts
Amherst, Massachusetts

Abram Robert Jacobson
Physics
Newton, Massachusetts

Michael Matthew Kaplan
Independent Scholar
Newton, Massachusetts

Richard Gregory Kellogg
English and Physics
Boothbay, Maine

John Thomas Kelly
Independent Scholar
West Deerfield, Massachusetts

Charles Broeman Klinedinst
Economics
Cincinnati, Ohio

Robert Gentry Knowlton
Biophysics
Weston, Massachusetts

James Charlton Knox
English
Basking Ridge, New Jersey

Paul Gerard LaFerriere
English
Cherry Hill, New Jersey

Robert Philip Mantica
American Studies
Milton, Massachusetts

Kenneth Trerise Martin
Classics
Rye, New York

Allen George Meek
Chemistry
Wilton, Connecticut

Robert Sargent Miller
Psychology
Bradford, Massachusetts

Douglas Cameron Neff
American Studies
Nashville, Tennessee

Robert Allan Reichert
Biology
Wilmette, Illinois

John Philip Reimherr
Economics
Schenectady, New York

David Spencer Reynolds
English
West Barrington, Rhode Island

Richard Kenneth Roeder
American Studies
Pacific Palisades, California

James Adam Rothendler
Physics
Scarsdale, New York

Stuart Lunsford Sessions
Economics
New Canaan, Connecticut

Lawrence Richard Sidman
Independent Scholar
Chestnut Hill, Massachusetts

Colin Emerson Stewart
English
Chapel Hill, North Carolina

Stephen Bruce Swigert
American Studies
Rye, New York

Thomas Hugh Troland
Astronomy
New London, Connecticut

Scott Frederic Turow
Independent Scholar
Winnetka, Illinois

John Morris Willard
Independent Scholar
Chappaqua, New York

Eric Winslow Wodlinger
American Studies
Kodiak, Alaska

Cum laude

Bernard Stephen Alpert
Biology
Potsdam, New York

Timothy Woodhouse Armour
Political Science
Lewiston, Idaho

William James Beel, Jr.
Biology
Birmingham, Michigan

George William Bentley
Independent Scholar
Amherst, Massachusetts

Richard Cole Bertkau
American Studies
Bedford Hills, New York

Robert Dorsey Bingham
American Studies
Shaker Heights, Ohio

Eric James Bohman
Independent Scholar
Leverett, Massachusetts

Thomas Krebs Bourke
American Studies
Bethesda, Maryland

Timothy Wayne Boyd
Greek
Pennington, New Jersey

Kenneth Duncan Boyer
Economics
Brooklyn, New York

Thomas Norris Brock
Geology
Ridgewood, New Jersey

Peter Sears Brooks
Economics
Cincinnati, Ohio

David Harry Cahan
Chemistry
Brookline, Massachusetts

Christopher Tapley Carlson
American Studies
New Canaan, Connecticut

William Leaphart Carter
Latin
Elmhurst, Illinois

Philip Chanin
American Studies
Nashville, Tennessee

Carlton Perry Cooke, III
Chemistry
Buffalo, New York

Viktor Konstantyn Decyk
Physics
Providence, Rhode Island

Robert DeMaria, Jr.
English
Northport, New York

Peter FitzGerald Dorman
Anthropology
Blauvelt, New York

Thomas Kirk Dorman
History
Rockville, Maryland

Brian Girard Driscoll
English
Framingham, Massachusetts

Dwight David Eisenhower, II
Political Science
Washington, D. C.

Richard Eddy Gaspard, Jr.
Economics
Honolulu, Hawaii

Thomas Park Gilliss
Political Science
Stamford, Connecticut

Paul Louis Gomory, Jr.
Economics
Bethesda, Maryland

Christopher Ellis Green
Independent Scholar
Winchester, Massachusetts

John Stewart Greenberg
Independent Scholar
Elkins Park, Pennsylvania

Daniel Lawrence Greenblatt
English
Newton Highlands, Massachusetts

Francis Lee Griffin
Chemistry
Petersburg, Virginia

Marvin Marc Gross
Religion
Evanston, Illinois

Frank Alexander Howe
Fine Arts
Cincinnati, Ohio

Peter Adoue Howland
Economics
Warwick, Rhode Island

Peter Whiting Humphrey
Biology
Ithaca, New York

Alan Howard Jaffe
Biology
Great Neck, New York

Bruce Stuart Johnson
History
Basking Ridge, New Jersey

William George Karanikolas
Independent Scholar
Glen Rock, New Jersey

John Edward Kehoe
English
Davenport, Iowa

Stephen Peck Kent
Anthropology
Denver, Colorado

James Nelson Kenworthy
American Studies
Colonia, New Jersey

Samuel John Kingsley
Psychology
Pacific Palisades, California

Karl Hemingway Krieger
English
Missoula, Montana

Robert Stebbins Kuehn
Economics
Wayzata, Minnesota

John Francis Lamb, Jr.
Independent Scholar
Scarsdale, New York

Peter Mark Levine
Chemistry
Brooklyn, New York

Jamson S. Lwebuga-Mukasa
Biology
Kampala, Uganda

James Francis Manwell
Biophysics
Hudson, Ohio

Kenneth Sargeant May, II
Political Science
South Amherst, Massachusetts

Samuel Hardwicke Mays, Jr.
Independent Scholar
Memphis, Tennessee

Palmer Scott McGee, III
Political Science
Farmington, Connecticut

Richard Halliday Meeker
English
Washington, D. C.

John Randall Mercier
Religion
Wilmette, Illinois

James Elder Michael, Jr.
French
Gambier, Ohio

Jeffrey Parker Morray
Biology
Scotia, New York

Harry Geoffrey Morrison
Independent Scholar
Lincoln, Rhode Island

Robert Stuart Nathan
Independent Scholar
St. Louis, Missouri

Eric George Nelson
Geology
Wakefield, Massachusetts

Brent Robert Nicklas
Economics
Cooperstown, New York

John Geoffrey O'Connell
Political Science
Worcester, Massachusetts

Richard Daniel Pelletier
Political Science
Hyannis, Massachusetts

Jonathan French Scott Post
English
Rochester, New York

Edward Paul Potanka
American Studies
Avon, Connecticut

David Stafford Roby
Psychology
Berlin, Connecticut

Frederick Eugene Salisbury
English
Kansas City, Missouri

David Maurice Sanger
Mathematics
Tenafly, New Jersey

John Gerald Santos
Political Science
Billerica, Massachusetts

Stephen Clark Seward
Political Science
Wappingers Falls, New York

William Burtis Sheldon
Biology
Garden City, New York

Richard Verden Sims
Biology
Summit, New Jersey

Robert Monroe Soule, Jr.
Anthropology
Melrose, Massachusetts

Robert Morris Spielman
History
West Orange, New Jersey

Steven Stern
Independent Scholar
Elkins Park, Pennsylvania

Daniel Robinson Swainbank
English
St. Johnsbury, Vermont

Jones Harold Talbot, III
English
Springfield, Massachusetts

John Arthur Taylor, III
English
Amherst, Massachusetts

James Richard Thistlethwaite, Jr.
Biophysics
Washington, D. C.

Byron Glen Tucker
English
Chattanooga, Tennessee

Charles Robert Tucker
Biophysics
Providence, Rhode Island

Thomas Radford Viall
Political Science
East Providence, Rhode Island

Alan Michael Webber
Independent Scholar
St. Louis, Missouri

Eric Williams Weber
Fine Arts
Mountain Lakes, New Jersey

Michael Seth Weiner
German
Bronx, New York

Clark Allen Wiedmann
Physics
Palos Verdes Peninsula, Calif.

Robert Aldace Wood
American Studies
West Boylston, Massachusetts

Burton Israel Woolf
Political Science
Brookline, Massachusetts

David Henry Yaghjian
Fine Arts
Columbia, South Carolina

Mark William Zenick
Religion
Waterbury, Connecticut

George Paul Zoulalian
Economics
Revere, Massachusetts

Lanny Marc Zuckerman
American Studies
Yorktown Heights, New York

Rite

Mark Abraham Abrams
Brooklyn, New York

John Robert Anderson
Minneapolis, Minnesota

Seth Isaac Aronie
Concord, Massachusetts

Jay Irwin Ashman
Summit, New Jersey

David Thomsen Auten
Rochester, New York

William Charles Bacon
Brighton, Massachusetts

Michel Claude Bar
Noisy-le-Roi, France

Ronald Silvio Battocchi
Hartford, Connecticut

Robert Bernstein
West Orange, New Jersey

William J. Bradley
Flint, Michigan

James Foote Brinkley, III
Seattle, Washington

James Bass Cabot
Wenham, Massachusetts

Samuel Dean Caldwell, IV
Swarthmore, Pennsylvania

Ely Reeves Callaway, III
New Canaan, Connecticut

Peter Coulter Carafiol
St. Louis, Missouri

Jerrold DeKoven Carl
Highland Park, Illinois

Robert Leo Carlone
Red Bank, New Jersey

Ronald Chung-kuo Cheng
Independent Scholar
Ottawa, Ontario, Canada

George James Cianciolo
Waterbury, Connecticut

David Robert Cichon
Bristol, Connecticut

Douglass Burns Clark
Coral Gables, Florida

William Biggs Clift, III
Andover, Massachusetts

Michael Davis Colglazier
Richmond, Virginia

Edward Lee Corey, Jr.
New York, New York

Ernest Craige, Jr.
Chapel Hill, North Carolina

Cedric Daryl Cranch
Bryn Athyn, Pennsylvania

James George Crary
Huntington, New York

Charles Miller Crouch
Bridgeport, Connecticut

David Bryan Cummins
Hewlett, New York

James Elliot Curry
Oak Park, Illinois

Barry Craig DeLapp
New Canaan, Connecticut

Brian Lindsay Denyer
Carnoustie, Angus, Scotland

David Andrew Dorwart
Mansfield Center, Connecticut

Phillip LeRoy Durrett
Quincy, Illinois

William Edelstein
Brooklyn, New York

Walter Sherman Edwards
Rumford, Rhode Island

Jonathan Jay Einhorn
New Haven, Connecticut

George Thomas Faris, IV
Glenside, Pennsylvania

Andrew Luther Fincke
Havertown, Pennsylvania

Stephen Howard Fiske
Middlebury, Vermont

John David Forbess
Longmeadow, Massachusetts

John Homer Fowler
Enfield, Connecticut

Joseph Walter Garton
Sheboygan, Wisconsin

John Keith Goggin
Magnolia, Massachusetts

James Hildreth Goodwin
Darien, Connecticut

Lewis Brown Griggs
White Bear Lake, Minnesota

Peter Roland Gustafson
West Bolyston, Massachusetts

Mark Roberts Hall
Seattle, Washington

David Samuel Handsher
Independent Scholar
University City, Missouri

Richard Daniel Harrington
Springfield, Massachusetts

Mark P. Harris
Independent Scholar
Briarcliff Manor, New York

Philip Thomas John Hart, Jr.
Springfield, Massachusetts

William Danforth Hayes, III
Worcester, Massachusetts

Miles Alan Herkenham
Mill Valley, California

Chase Tyler Hibbard
Helena, Montana

Peter Clayton Hicks
Worcester, Massachusetts

John Ralph Hodson
Houston, Texas

Barry Owen Hoke
Casper, Wyoming

Reginald LeRoy DeRosa Howes
Independent Scholar
Southampton East, Bermuda

Charles David Hunt
Columbus, Ohio

Floyd Van Huseman
Corpus Christi, Texas

Lawrence Massey Jones
Baltimore, Maryland

Andrew Morton Leavitt
Los Angeles, California

Stuart O'Donald Roberts Mays
Bethesda, Maryland

Thomas Smith McKitterick
Darien, Connecticut

Richard Mason McNeer, III
Montpelier, Vermont

John Hollis Meiklejohn
Hampton, New Hampshire

Brian John Merrick
New York, New York

Warren Wilder Mersereau
Glen Rock, New Jersey

Thomas Edwin Stephenson Miller
Bloomington, Indiana

David Willman Miner
Owosso, Michigan

Fred Ralph Myers
Narberth, Pennsylvania

Tsutae Nagata
Tokyo, Japan

Christopher Edwin Neale
Jenkintown, Pennsylvania

Timothy Arthur Neale
Amherst, Massachusetts

Robert Warner Nielsen
Christiansted, U.S. Virgin Islands

Kingsley Chamberlain Norris, II
Locust, New Jersey

Edmund Greenleaf Noyes, Jr.
New Britain, Connecticut

Richard Leslie Ogden
Harrison, New York

Earl Dodge Osborn
Belvedere, California

Manning Mason Pattillo, III
Bronxville, New York

Gabriel Macedo Pereira
New Bedford, Massachusetts

Richard James Phillips
Westfield, New Jersey

David Hill Porter
Wellesley, Massachusetts

Daniel Richard Quinn
New London, Connecticut

Lawrence Carey Ragland
Lawrenceville, Virginia

Thomas Day Rainey
San Antonio, Texas

Denis Sirera Ransmeier
Concord, New Hampshire

David Redhorse
Farmington, New Mexico

John Francis Reinus
New York, New York

Andrew Vincent Rock
Silver Spring, Maryland

William Whitfield Rutter, Jr.
Wakefield, Massachusetts

Jeff Wreden Ryder
Miami, Florida

Peter Michael Sarafan
Rockville Centre, New York

Kenneth Ted Sayle
Larchmont, New York

Warren Hansen Shaw
York, Maine

William Winslow Shevlin
Wakefield, Massachusetts

Mitsukazu Shiboh
Tokyo, Japan

Frederick James Sievert
Livonia, Michigan

George William Siguler
Cleveland, Ohio

Hunter Hudson Cole Smith
Huntingdon Valley, Pennsylvania

Stewart Wylie Smith
Pittsburgh, Pennsylvania

Charles Wyatt Smythe, Jr.
Haverford, Pennsylvania

Lawrence Alan Spiegel
Independent Scholar
Portland, Maine

Douglas Albert Swift
Syracuse, New York

Geoffrey Preston Taylor
Middleton, Wisconsin

Sansoen Thamavit
Bangkok, Thailand

David Sinclair Thompson
Swarthmore, Pennsylvania

Arthur Stanley Thornbury, Jr.
Birmingham, Michigan

George Louis Triano
Naugatuck, Connecticut

David Irvin Trithart
White Plains, New York

David Hoyt Van Etten
Boston, Massachusetts

George Christopher Vournas
St. Louis, Missouri

Calvin Peter Sebastian Ward, Jr.
Chicago, Illinois

Philip John Ward
Springfield, Massachusetts

Steven Eric Ward
Waban, Massachusetts

George Paul Wardley, III
Madison, New Jersey

David Edward Wase
Amherst, Massachusetts

Richard Roy Weaver
Larchmont, New York

William Thomas Weir
Hiram, Ohio

Stephen Wallace Wessels
West Hartford, Connecticut

Jamison Van Voorhees Wilcox
Fort Lauderdale, Florida

William Webb Wilcox
Meriden, Connecticut

Marquis Kenneth Williams
Medfield, Massachusetts

Richard Rawlings Willoughby
Warren, Ohio

Neil Proctor Wilson, Jr.
Cape Coral, Florida

Steven Brooks Wilson
Pittsford, New York

Dennis Lee Winn
Dallas, Texas

James Weeks Winslow
Tarboro, North Carolina

Peter Uri Wolff
Syracuse, New York

Robert James Philip Woolrich
Mount Vernon, New York

David Paul Zarin
South Orange, New Jersey

John Jeffrey Zimmerman
Algonquin, Illinois

Honorary Degrees Conferred

JUNE 5, 1970

DOCTOR OF HUMANE LETTERS

John Cushing Esty, Jr. 1950
Ian Lennox McHarg
Paul Augustus Raushenbush 1920
Isidor Feinstein Stone

DOCTOR OF LETTERS

Stephen Walkley Grant 1930

DOCTOR OF SCIENCE

Stephen Cole Kleene 1930

DOCTOR OF LAWS

Thomas Francis Eagleton 1950
Luis Alberto Ferré
Franklin Patterson

V

ENROLLMENT

College Hall

Enrollment

FALL SEMESTER 1970–1971

Graduate Student

Morrison, Geoffrey
Lincoln, Rhode Island

Seniors Class of 1971

Abbey, Douglas Dix
Chappaqua, New York

Abrahamson, Robert Louis
Elkins Park, Pennsylvania

Adams, Roger Cole
Chestnut Hill, Massachusetts

Agnew, Peter Tomlin
Summit, New Jersey

Ahern, John Joseph, III
Excelsior, Minnesota

Albisetti, James Charles
Wilmington, Delaware

Alper, Jonathan Louis
Chevy Chase, Maryland

Anderson, Herbert Clark
Evansville, Indiana

Anderson, John Arvid
Northampton, Massachusetts

Andrews, Terry Leland
Lincoln, Illinois

Axinn, Lennard Dale
Dix Hills, New York

Bacon, Douglas Arms
Amherst, Massachusetts

Bailey, Michael Jack
Louisville, Georgia

Bailey, Morris Edward
Syracuse, New York

Bartlett, David Scott
Chevy Chase, Maryland

Barwick, William Durham
Atlanta, Georgia

Beckerman, Dale Lee
Omaha, Nebraska

Bedard, Richard Frank
Springfield, Massachusetts

Beeson, John Robinson
Chappaqua, New York

Belding, David French
St. Johnsbury, Vermont

Benatti, Paul Vernon Steven
Provincetown, Massachusetts

Bias, Thomas Grantland
Baltimore, Maryland

Bicknell, John Leonard
Marshfield, Massachusetts

Bottiggi, James Augustus
Barre, Vermont

Boxer, Martin Brand
Scarsdale, New York

Bradley, John Mackemer
Peoria, Illinois

Bradley, Michael Allen
Blackstone, Massachusetts

Breton, Michael Eugene
Wakefield, Massachusetts

Brown, Garrett Mills
Darien, Connecticut

Brown, Robert Alden
Buffalo, New York

Brudney, James Julius
New York, New York

Butterfield, Bruce Scott
Haworth, New Jersey

Carroll, William Joseph Edward
Lewiston, Maine

Chapin, John Alexander
Wellesley Hills, Massachusetts

Chase, Rodman Abbot
Bristol, Rhode Island

Checchi, Alfred Attilio
Silver Spring, Maryland

Clauss, Roy Stuart
New York, New York

Clyne, Terence Donelon
New York, New York

Coffin, Mark Tristram
Haverford, Pennsylvania

Cole, Harry Fahrig
Providence, Rhode Island

Comfort, Richard Whiteley, Jr.
Columbus, Ohio

Compton, Joseph Emerett, III
Detroit, Michigan

Corbett, Alfred Hoyt, Jr.
Washington, D.C.

Cornell, Christopher Lloyd
Providence, Rhode Island

Couper, Barrett Williams
Loudonville, New York

Crimp, David Hathaway
Erie, Pennsylvania

Croft, Frederick Titus
Hinsdale, Illinois

Crosson, David Anthony
West Hartford, Connecticut

Cummings, Roger Holt
Birmingham, Michigan

Cushman, Frank Pendleton
Amherst, Massachusetts

Danforth, Loring Mandell
Westwood, Massachusetts

Daniel, Errol Valentine
Nawalapitiya, Ceylon

Daring, Kevin Mason
Clarks Summit, Pennsylvania

Dasher, John Morton
Darien, Connecticut

Davis, Thomas Milburn, III
Falls Church, Virginia

DeForge, Michael Glynn
Agawam, Massachusetts

Dein, James Lindall
Pelham, New York

DeWitt, Norman Wentworth, II
Minneapolis, Minnesota

DeWitt, Thomas Gebhard
Michigan City, Indiana

Dickinson, John Carlton
East Aurora, New York

di Sant'Agnese, Paul Anthony
Washington, D.C.

Donovan, Thomas Edward
Norwood, Massachusetts

Dorrance, Christopher Allison
Penfield, New York

Dowding, Piers Hugh Tremenheere
Rochester, New York

Duffield, Christopher
Tucson, Arizona

Duffy, Kirk Mallory
Greenwich, Connecticut

Dunn, Stephen Cameron
Rumson, New Jersey

Ellenport, Robert Saul
Union, New Jersey

Elliott, Robert Raymond, III
Interlaken, New York

Emory, David Alan
Scarsdale, New York

English, Edward Robertshaw
Dedham, Massachusetts

Farwell, Steven Austin
Northbrook, Illinois

Fawcett, Robert Sayers
Cedar Rapids, Iowa

Feierabend, Raymond Hopkins, Jr.
Baton Rouge, Louisiana

Finlayson, Ian Edward
Toronto, Ontario, Canada

Fischer, Frederick John
St. Paul, Minnesota

Fisher, Andrew Randolph
New York, New York

Flewelling, Robert Arthur
Crouseville, Maine

Francis, Carl Arthur
Springfield, Massachusetts

Francis, Henry Minton, Jr.
Bronx, New York

Frazer, James Nisbet, Jr.
Atlanta, Georgia

Freeman, George Henry
New York, New York

Fuller, Thomas Hoyt, Jr.
Portsmouth, Virginia

Garlan, David Barnard
Portland, Oregon

Gaymon, William Victor
Niger

Gearhart, Samuel Edgington
Cambridge, Massachusetts

German, Daniel Nicholas Andrew
Humphrey, Nebraska

Gilbert, Charles Douglas
Great Neck, New York

Gilkeson, John Shanklin, Jr.
Claremore, Oklahoma

Glantz, Jonathan Richard
Rockville Centre, New York

Goggans, Frederick Crawford
Fort Worth, Texas

Goldman, Henry Frank
Rockville Centre, New York

Goodman, Richard Stuart
St. Paul, Minnesota

Gordon, Peter Hofman
Beachwood, Ohio

Grandy, Wilbert Haywood, Jr.
Washington, D.C.

Gudridge, Kevin Bradley
Rockville, Maryland

Gunnels, Stephen Hugh
Downers Grove, Illinois

Haley, Jeffrey Thornton
Tacoma, Washington

Haley, Joaquin Bradford
San Diego, California

Handyside, Read Shailer
Schenectady, New York

Harding, Robert Weld, Jr.
Augusta, Georgia

Hawkins, David Rollo, Jr.
Charlottesville, Virginia

Hawkins, Robert Wilson
Charlottesville, Virginia

Heck, Richard Charles, Jr.
Royal Oak, Michigan

Hellerman, James Guy
Longmeadow, Massachusetts

Hendricks, John Kelly Philip
Meadville, Pennsylvania

Herald, Steve Andrew Gerard
Paris, France

Hill, Steven Devereux
Marblehead, Massachusetts

Hoadley, Thomas Arthur
Milford, New Hampshire

Hogan, Clifford Nelson
West Springfield, Massachusetts

Hom, Anthony James
Albertson, New York

Hoyt, David Butler
Akron, Ohio

Hudson, Tom Scott
Zionsville, Indiana

Jaenike, John Robert, Jr.
Honeoye Falls, New York

Jakobek, James Wallace
Merrimac, Massachusetts

Johnson, David Robert Michael
Windsor, Connecticut

Jones, John Christopher
Bronx, New York

Jones, Robert Lee 1
Bristol, Connecticut

Jones, Robert Lee 2
Tulsa, Oklahoma

Karasick, Ira Barry
Roslyn Heights, New York

Karter, Michael Joshua
New York, New York

Kay, Jonathan Nueve
Wilmington, Delaware

Kendall, William Robert
Stroudsburg, Pennsylvania

Kenyon, Allen T. Scott
New Rochelle, New York

Kister, Edward Arthur, Jr.
Pittsburgh, Pennsylvania

Koths, Kirston Edward
Storrs, Connecticut

Kozlow, Gerald Michael
Dearborn Heights, Michigan

Kyff, Robert Stewart
Armonk, New York

Landers, Thomas Patrick Mark
Hartford, Connecticut

Landmesser, Charles Watson
Loudonville, New York

Landon, Gregory Charles
Vestal, New York

Lanza, John Francis, Jr.
Hingham, Massachusetts

Laracuente, Harry
New York, New York

Leonard, Daniel Pitt
Darien, Connecticut

Lerner, Corey Eliot
Rego Park, New York

Lewy, Glen Sheldon
New Milford, New Jersey

Lhomond, Jean-Yves François
Orleans, France

Lincoln, Edward John
Basking Ridge, New Jersey

Linker, Jonathan Steven
Princeton, New Jersey

Little, Justin Frank
Moorestown, New Jersey

Low, Stuart
Danvers, Massachusetts

Lucas, Frederick Vance, Jr.
Columbia, Missouri

Luce, Robert Warren
Amherst, Massachusetts

Mack, George Edgar
Amherst, Massachusetts

MacKay, Leigh Barbour
Marshfield, Massachusetts

Mackie, John Perkins
Stockbridge, Massachusetts

Madow, Michael Peter
Valley Stream, New York

Malick, Daniel Franklin
Monroeville, Pennsylvania

Mandelbaum, Joel
Brooklyn, New York

March, Charles Whipple
South Yarmouth, Massachusetts

Marino, Michael Joseph
Farmington, Connecticut

Marinucci, Ronald Eugene
Dearborn, Michigan

Mason, John Dudley
Catlettsburg, Kentucky

Matis, Louis Alan
Woodmere, New York

Mayo, Thomas William
Holyoke, Massachusetts

McBride, John Hammond, Jr.
West Hartford, Connecticut

McEvoy, Peter Bens
Bangor, Maine

McKenna, John Andrew
San Mateo, California

McKeon, John Harold, Jr.
Moorestown, New Jersey

McNitt, Willard Charles, III
Winnetka, Illinois

Merrell, Woodson Charles
Pittsburgh, Pennsylvania

Merrill, Charles Clement
Newark, Ohio

Merves, Edward Hofkin
Philadelphia, Pennsylvania

Michelmore, Thomas Richard
Glenhead, New York

Miller, Keith Lawrence
Glencoe, Illinois

Mixter, Roger Conant, Jr.
Milwaukee, Wisconsin

Moest, Robert Charles
Buffalo, New York

Monego, John Edwin
Manchester, England

Monroe, Paul Sheldon
Chatham, New Jersey

Moore, Heath
Easton, Pennsylvania

Moore, William Fowler
Lewiston, Idaho

Moriarty, Marshall Theodore
Springfield, Massachusetts

Morris, Robert Lorenzo
Jamaica, New York

Mudge, John Tenbroeck
Lyme, New Hampshire

Murchison, Wallace Carmichael, Jr.
Wilmington, North Carolina

Nater, Timothy Michael James
New York, New York

Nathan, David Matthew
Rockville Centre, New York

Nickerson, Daniel Warren
Portsmouth, New Hampshire

Oxtoby, Thomas Corning
Bryn Mawr, Pennsylvania

Ozersky, Samuel
Winnipeg, Manitoba, Canada

Palmer, Ernest, III
Winnetka, Illinois

Parten, John Randolph
Madisonville, Texas

Pearson, Stanford Carl
Tampa, Florida

Pelletier, Michael
St. Louis, Missouri

Perkins, Andrew Mensel
Batavia, New York

Peterson, John Howard
New Richmond, Wisconsin

Pettit, William Arthur Gerard
Buffalo, New York

Pfeil, John Frederick
Port Allegany, Pennsylvania

Phillips, Edward Rooker
Southampton, Massachusetts

Pinsof, Lawrence Daniel
Winnetka, Illinois

Playe, Stephen Jan
Homewood, Illinois

Podell, Ronald Mark
Elizabeth, New Jersey

Pomeroy, Tennyson Lee, II
North Reading, Massachusetts

Ponemone, Scott Davis
Randallstown, Maryland

Pritzker, Marc Richard
St. Paul, Minnesota

Quill, Timothy Edward
New Canaan, Connecticut

Reed, James Keel
Woodstown, New Jersey

Reed, Stephen Alan
Wilbraham, Massachusetts

Rhodes, Roger Walker
Amherst, Massachusetts

Richmond, John Alan
Falmouth, Massachusetts

Rimmer, Norman David
Wellesley, Massachusetts

Rizzo, Joseph Nicholas, Jr.
Manhasset, New York

Robinson, William Eric
Woodland, California

Roderick, Barry Nelson
Oxford, Maine

Rogalski, Gary Louis
Plymouth, Michigan

Romano, Gennaro Anthony, III
Derby, Connecticut

Rosenthal, Andrew Martin
Woodcliff Lake, New Jersey

Rowley, William Robert
Natick, Massachusetts

Ryan, Russell Lloyd Ranson
East Grand Rapids, Michigan

Salem, David William
North Brookfield, Massachusetts

Schoonmaker, William Barnes
Ventura, California

Schott, Winfried
Port Washington, New York

Schwarz, Ralph
Westport, Connecticut

Scott, Terrence Lyon
Maplewood, New Jersey

Segal, Eric Lloyd
Worcester, Massachusetts

Seim, Anders
Rye, New York

Sernaker, Harry Lewis
Bayside, New York

Sheehan, Gerard John
Irvington, New York

Shepardson, Rodney Beale
Reston, Virginia

Shook, James Merrill
Scotia, New York

Sills, Marc Alan
Chelmsford, Massachusetts

Silverman, David Lee
Melville, New York

Sims, Charles Stephen
Birmingham, Michigan

Sizer, Joseph Edwin, III
Roseville, Minnesota

Smart, Robert Thomas, Jr.
Braintree, Massachusetts

Smith, Crawford Cunningham
Wilkes-Barre, Pennsylvania

Smith, Jeffrey Davis
Endicott, New York

Smith, Michael Raymond
Baltimore, Maryland

Smith, Thomas Russell
Dansville, New York

Smith, Winthrop Hiram, Jr.
Litchfield, Connecticut

Snyder, Gordon Barnefield
Woodbridge, Connecticut

Solomon, Rodney Jeff
Cincinnati, Ohio

Southworth, Jeffrey Glidden
Averill Park, New York

Sparks, Robert Steven
St. Louis, Missouri

Spear, Frank Shaw
Westport, Connecticut

Spivack, Carl R.
New York, New York

Stark, Whitney Williams, III
New City, New York

Stec, Philip Joseph Edward
Newington, Connecticut

Stephens, Paul Richard
Circleville, Ohio

Stevenson, Mark Andrew
Lancaster, Pennsylvania

Stifler, David Evans
Baltimore, Maryland

Stoddard, Edward Forrest, III
Amherst, Massachusetts

Stott, Frederic Sanderson
Andover, Massachusetts

Stowe, James Borst
North Haven, Connecticut

Strandburg, Robert John
Chappaqua, New York

Strickler, Charles Suplee, Jr.
Gladwyne, Pennsylvania

Sucsy, Robert James
East Hampton, New York

Suher, Thomas Richard
Springfield, Massachusetts

Sutphin, Gregory Barton
Huntington, New York

Tait, Raymond Caldwell
Richmond, Virginia

Taylor, Thomas Glanville
Providence, Rhode Island

Teichgraeber, Richard Frederick, III
Houston, Texas

Thompson, Richard Stanley
San Bernardino, California

Tombs, Edward Andrew Alfred
Port Credit, Ontario, Canada

Tucker, Herbert Frederick, Jr.
South Hadley, Massachusetts

Turton, Roger Wilmot
Greenfield, Massachusetts

Valiunas, Dominicus Rytis
New Rochelle, New York

Van Dyk, Gerald Johan
Baldwinsville, New York

Varney, Ronald Dixon
Yardley, Pennsylvania

Vitello, Ernest Allen
Derby, Connecticut

Vitousek, Peter Morrison
Honolulu, Hawaii

Volet, Thomas
East Hills, New York

Wartenberg, Thomas Eliot
Great Neck, New York

Warthen, John Benton, III
Vidalia, Georgia

Webber, William Sutton, IV
Great Barrington, Massachusetts

Weinhaus, Richard Steven
St. Louis, Missouri

Wenzel, Robert Frederick
St. Louis, Missouri

Wesson, Laurence Nathaniel
Phoenixville, Pennsylvania

Westbrook, Nicholas Kilmer
Ballston Spa, New York

Whalen, Thomas Joseph, III
Pittsfield, Massachusetts

Wheeler, William Randolph
Durham, New Hampshire

Whitaker, Daniel Collier
Falls Church, Virginia

Whittemore, Stanley Lawrence, Jr.
Winnetka, Illinois

Wilkes, Charles Cafritz
Bethesda, Maryland

Williams, Wilburn, Jr.
Greenwood, Mississippi

Witten, Montgomery Wray
Bronxville, New York

Wolman, James David
Philadelphia, Pennsylvania

Yarchoan, Robert
Oceanside, New York

Zaffetti, Dennis John Joseph
Windsor, Connecticut

Zins, Barry Lewis
Chester, New Jersey

Juniors Class of 1972

Ackerman, Stark
Allentown, Pennsylvania

Adolfi, Henry Joseph
Rome, New York

Aitken, Bruce Gardiner
Belem, Para, Brazil

Alexander, George Martin
Athens, Greece

Allmart, William George
Wayne, Illinois

Babington, Douglas Neil
Stamford, Connecticut

Bainbridge, Robert Hastings
Chestnut Hill, Massachusetts

Barr, Philip Edward
Agoura, California

Bartkowski, Adam Stanely
Irvington, New Jersey

Beck, Max William
Yeadon, Pennsylvania

Bedwell, William Brian
Grosse Pointe Farms, Michigan

Bell, Robert Kenneth
Bronx, New York

Benson, Richard Addison
Sturgis, Michigan

Berman, Arthur Emmet
Cincinnati, Ohio

Bernstein, Louis Benson
Glen Cove, New York

Berry, Jeffery Paul
Rockville, Maryland

Bevan, Mark Filbert
Baltimore, Maryland

Bittman, James Brown
Ann Arbor, Michigan

Black, Jonathan Roberts
Wakefield, Massachusetts

Blackwell, Thomas Wrightington
Lexington, Massachusetts

Blair, Mitchell Warren
Malverne, New York

Blockwick, Craig Nicholas
McLean, Virginia

Borton, Richard Warren
Huntingdon Valley, Pennsylvania

Botteon, Alan John
Southington, Connecticut

Brady, Thomas Geoffrey
Lynnfield, Massachusetts

Briliant, Seth Howard
Ventnor, New Jersey

Broadbent, John Howard
East Providence, Rhode Island

Brock, James Thacher
Ridgewood, New Jersey

Brody, Martin Alan
Elgin, Illinois

Bulman, Michael Shea
Bethesda, Maryland

Butrica, James Lawrence
Magnolia, New Jersey

Campbell, Scott Glenn
Wethersfield, Connecticut

Canaday, Peter Gregson
Arlington, Massachusetts

Caroff, Peter
New York, New York

Case, David Randall
East Grand Rapids, Michigan

Cavalier, Stevan John
Glencoe, Illinois

Chan, Anthony Sing Lam
Honolulu, Hawaii

Chapman, Paul LeGrand
Fayetteville, New York

Chrisemer, Kurvin Edgar Wier
Pottstown, Pennsylvania

Clamurro, Gary David
Nutley, New Jersey

Cleveland, Russell Milner
North Hadley, Massachusetts

Cloues, Richard Ross
Warner, New Hampshire

Cockshutt, Timothy Geoffrey
Red Bank, New Jersey

Cody, Eric Peer
Barrington, Illinois

Cope, Stephen Crothers
Pikeville, Kentucky

Cornigans, Robert Lee
Bay Shore, New York

Cousey, Stephen John
Waterbury, Connecticut

Coyle, Donald Lorne
Ridgewood, New Jersey

Craven, Jeffrey Alan
Pittsford, New York

Cummins, John Patrick James. III
Olean, New York

Cutler, Stephen Alan
Morristown, New Jersey

Daly, Dennis Anthony
Avon, Connecticut

Dase, Wolfgang Arthur
Shelton, Connecticut

DeMartine, Joseph Robert
Linkenheim, Germany

Dempsey, David Barnes
Manchester, Massachusetts

Diamond, William David
Westport, Connecticut

Dietz, Abraham Pinanski
Newton Centre, Massachusetts

Domingue, Gregory Allen
Baton Rouge, Louisiana

Doubleday, William Alan
North Amherst, Massachusetts

Drisko, James Winship
Yonkers, New York

Dunn, Christopher Romney
Westwood, Massachusetts

Eaton, Robert Ayers, Jr.
Hingham, Massachusetts

Eggers, Richard Melvin
DeWitt, New York

Ellis, Gregory Russell
New Britain, Connecticut

Emberson, Richard Maury, Jr.
Huntington, New York

Facey, Roger Duncan
Westbury, New York

Feuerstein, Lee William
New York, New York

Filler, John Nicholas
Williamstown, Massachusetts

Fisher, Robert David
Brooklyn, New York

Fitts, Douglas Allan
Barre, Vermont

Flynn, Maurice Richard, III
Malden, Massachusetts

Fort, Timothy Ward
Plainfield, New Jersey

Fox, James Warren
Sudbury, Massachusetts

Franke, Jay Robert
Milwaukee, Wisconsin

Fugett, Jean Schloss, Jr.
Baltimore, Maryland

Galvin, James Terence
Wellfleet, Massachusetts

Gang, Stephen Ralph
Upper Montclair, New Jersey

Garcia, Franco, Jr.
Westfield, Massachusetts

Gillette, Clayton Porter
New Haven, Connecticut

Gluckstern, Steven Mark
Amherst, Massachusetts

Godek, Edward Joseph, Jr.
South Hadley, Massachusetts

Goodrich, David West
Santa Barbara, California

Gordon, Harold Damery
Schenectady, New York

Greenough, Walter Croan
New York, New York

Griffiths, Robert Pennell
Hinsdale, Illinois

Griffiths, Thomas Llewelyn
Park Ridge, Illinois

Grimes, Stephen Arthur
Don Mills, Ontario, Canada

Haag, Gary Eden
Ivyland, Pennsylvania

Hager, Bradford Hoadley
Johnstown, Pennsylvania

Hall, Burton Robert
Bethesda, Maryland

Hamilton, John Francis
Forestville, Connecticut

Hammen, Charles Scott
Amherst, Massachusetts

Hammond, Joe Phil, Jr.
Tulsa, Oklahoma

Harding, James Linley
Simsbury, Connecticut

Hart, Henry, III
Philadelphia, Pennsylvania

Hart, Henry Ashton
Bethesda, Maryland

Hartzler, Joseph Henry
Worthington, Ohio

Hastil, John Christopher Patrick
Bayside, New York

Hastings, Richard Radcliffe
Wilton, Connecticut

Hathaway, David Laurence
Seattle, Washington

Hauger, William Doit
Westminster, Massachusetts

Hazen, Steven Roger
Tucson, Arizona

Heald, Geoffrey Thayer
Hingham, Massachusetts

Heard, Joseph Garrett, IV
Coral Gables, Florida

Heim, Stephen Mark
Burlington, Vermont

Helfand, David John
Mattapoisett, Massachusetts

Heller, Jonathan O'Neill
Middletown, New Jersey

Hemley, Frederick August
New York, New York

Hoag, John Aronow
Grosse Pointe, Michigan

Hoffman, Mark Alan
West Newton, Massachusetts

Hoxsie, Kenneth Allen
Warwick, Rhode Island

Ingalls, John Sumner
Binghamton, New York

Israels, Michael Jozef
New York, New York

Johnson, Douglas Clark
Bethesda, Maryland

Jones, Jeffrey Rickey
Elmira, New York

Jones, John Paul
Springfield, Massachusetts

Katz, Stuart George
Bloomfield, Connecticut

Keene, John Willis, Jr.
Willimantic, Connecticut

Kelleher, Michael Harry
Medfield, Massachusetts

Kelly, Denis Francis
Worcester, Massachusetts

Kessell, Stephen Robert
South Paris, Maine

Kim, Dae-Young
Washington, D.C.

Kingman, Robert Edwin
Wayzata, Minnesota

Kloepfer, George Joseph, II
Buffalo, New York

Koulouris, Paul Eustratius
Wakefield, Massachusetts

Kramer, John Howard
Bethesda, Maryland

Kriss, Eric Arthur
Stanford, California

Kroboth, Frank James, III
New Hartford, New York

Kuperberg, Mark Jeffrey
Monsey, New York

Leach, James David
Talladega, Alabama

Lebowitz, Brian Ephraim
Austin, Texas

Lee, David Robinson
New Salem, Massachusetts

Leonard, Gregory Louis
Boston, Massachusetts

Levenson, David Jeffrey
Pittsburgh, Pennsylvania

Levy, Philip Raphael
Denver, Colorado

Lind, Robert Lockwood
Nashua, New Hampshire

Lipscomb, Thomas Roger
Wilmington, Delaware

Lipsky, Abbott Bennett, Jr.
Cedar Rapids, Iowa

Maislen, Alan David
West Hartford, Connecticut

Manstein, Carl Howard
Rydal, Pennsylvania

Martz, Peter Morris
Alexandria, Virginia

Marx, David, Jr.
Highland Park, Illinois

Maynard, Thomas Eugene
Groton, Connecticut

McNeer, Craig Selden
Montpelier, Vermont

Menzies, Douglas MacLaurin
Ossining, New York

Metzger, Jeffrey Paul
Haworth, New Jersey

Miliotis, Mark George
Melrose, Massachusetts

Miller, James Alan
New Hartford, New York

Miller, James Doull
La Canada, California

Mitchell, Robert Lawton, Jr.
Garden City, New York

Montgomery, John Milton
Abington, Pennsylvania

Moore, Robert Wood, Jr.
Easton, Pennsylvania

Moore, William John, III
Winnetka, Illinois

Moss, Thomas Verne
Edina, Minnesota

Murphy, Timothy Cornelius
Stoneham, Massachusetts

Murray, David Kassor
Fayetteville, New York

Naughton, Michael James
Old Saybrook, Connecticut

Nesbitt, John Howard
Orange, New Jersey

Ogilvie, Robert James
St. Louis, Missouri

Orent, Clifford
West Newton, Massachusetts

Orr, Gregory John
Agawam, Massachusetts

Orr, John Christopher
Fruita, Colorado

Ostrander, Remsen Griggs, III
Southampton, New York

Page, Terence Bowman
Orchard Park, New York

Payton, Jeffrey Lewis
West Hartford, Connecticut

Peace, William Patton
Amherst, Massachusetts

Pergola, Ronald Charles
New Milford, New Jersey

Perr, Norman Seth
Rockville Centre, New York

Perry, John Richard
Aurora, New York

Peters, Frederick Charles, II
Rosemont, Pennsylvania

Phillips, Malcolm Charles
Valley Stream, New York

Pilgrim, David Matthew
Brooklyn, New York

Planting, Charles Scott
St. Louis, Missouri

Plough, Jonathan Irvin
Bethesda, Maryland

Pollard, Brian Francis
Winnetka, Illinois

Potanka, Paul Edward
Avon, Connecticut

Quaintance, Robert Forsyth, Jr.
Wilmette, Illinois

Rain, John Wharton
Dallas, Texas

Ramsey, Kenneth Allen
Cincinnati, Ohio

Randall, Dean Bowman, Jr.
Excelsior, Minnesota

Reed, Mark Verne
Mentor, Ohio

Reichstein, Benjamin James
Skokie, Illinois

Reilly, Kevin Connelly
Darien, Connecticut

Rice, Edward Werner, III
Larchmont, New York

Richards, Lee Sumner, III
Bedford, New York

Richardson, Victor Waldo
Tulsa, Oklahoma

Roberts, Christopher Chalmers
Washington, D.C.

Roberts, William Bailey
Waban, Massachusetts

Romero, Edgar Charles
Seattle, Washington

Rosen, Mark Alan
West Hartford, Connecticut

Rosenberg, Samuel Isadore
Baltimore, Maryland

Rosenbloom, Shepard David
Interlaken, New Jersey

Rosepink, Robert Joseph
Pittsburgh, Pennsylvania

Rounseville, William Robinson
Newton Centre, Massachusetts

Rubin, Michael Harry
New Orleans, Louisiana

Rubin, Wayne Mitchell
Fair Lawn, New Jersey

Ryan, Thomas Grady
Milwaukee, Wisconsin

Sachs, Joseph Frederick
Bronxville, New York

Sahakian, Richard Lewis
Dedham, Massachusetts

Salmi, Paul David
Holden, Massachusetts

Samaras, Alexandros Constantine
Athens, Greece

Sandhaus, Richard Carl
Westport, Connecticut

Sawyers, Peter Cobb
Claremont, California

Sayward, David William
Concord, New Hampshire

Scharf, Paul Lloyd
Roslyn, New York

Schatteman, Geoffry Chardule
Moline, Illinois

Scheinfeldt, Jerry Karl
East Hartford, Connecticut

Schell, Rowland Marshall
Purchase, New York

Schmerler, George William
Amherst, Massachusetts

Schoff, William Lincoln, Jr.
Flourtown, Pennsylvania

Schumaker, Mark Bennett
Syracuse, New York

Seaman, Henry Morgan
Federal Way, Washington

Senten, Jan William
Morristown, New Jersey

Shak, Steven
Cranford, New Jersey

Shapiro, Philip Nathan
Lewiston, Maine

Shea, Peter Michael
Dallas, Texas

Shigeie, Toshinori
Hiroshima-ken, Japan

Sinclaire, Peter Edgecomb
Lawrenceville, New Jersey

Sklaver, Gary Peter
Middlebury, Connecticut

Small, Wilfred Thomas, Jr.
Worcester, Massachusetts

Smith, Mark Alan
East Meadow, New York

Snider, Frederic Girvan
White Plains, New York

Solkow, Michael Bruce
Scarsdale, New York

Somogyi, James William
Poughkeepsie, New York

Sorgi, Louis Vincent, Jr.
Milton, Massachusetts

Spear, Brian Hartwell
Worcester, Massachusetts

Stanback, Thomas Melville, III
Larchmont, New York

Stanne, Stephen Peter
Amherst, Massachusetts

Starkweather, George Allen, III
Havertown, Pennsylvania

Steere, David Faulkner
Providence, Rhode Island

Stephenson, John Frederick
Winnetka, Illinois

Stevenson, Mark Milam
Tarkio, Missouri

Stewart, Robert Terhune
Far Hills, New Jersey

Stickney, Kenneth John, Jr.
Cranston, Rhode Island

Stirn, Bradley Albert
Cleveland, Ohio

Strimer, Steven Overton
Delaware, Ohio

Suneson, Neil Hedner
Winchester, Massachusetts

Swartz, Dale Frederick, III
Darien, Connecticut

Swensson, Stuart Jordan, III
Terrace Park, Ohio

Tallow, Matthew Alan
West Hartford, Connecticut

Teutsch, Clifford Lawrence
Glens Falls, New York

Thompson, Bruce Pollock
Swarthmore, Pennsylvania

Thompson, Myron
Philadelphia, Pennsylvania

Tidwell, Geoffrey Beatty
Buenos Aires, Argentina

Tolle, Stephen John
Hingham, Massachusetts

Torem, Christopher Charles
New York, New York

Trencher, Peter Austin
Glen Cove, New York

Tunstall, Garnett Taylor, Jr.
Silver Spring, Maryland

Turesky, David Samuel
Portland, Maine

Tuttle, Robert Hayes
Stanford, California

Tyree, Gill Morgan
Washington, D.C.

Ullian, Joseph Alan
Merrick, New York

Urban, Thomas Stephen
Arlington, Virginia

Urrizola, Manuel Michael, Jr.
Stockton, California

Vairo, Edward James
New York, New York

Valenzuela, Gil Ramon
Washington, D.C.

Viner, Brant Leed
Washington, D.C.

Vogelsberg, Walter Herbert, II
Carversville, Pennsylvania

Vusi, Ibrahim Sixtus
Bamenda, West Cameroon

Wagner, Richard George, Jr.
Cranford, New Jersey

Wailes, Richard Carey
Lutherville, Maryland

Walker, Geoffrey Stearns
River Forest, Illinois

Wallack, Lewis Mark
Beachwood, Ohio

Ward, James Bradford
Little Ferry, New Jersey

Welch, John Stewart
Raleigh, North Carolina

Wicklatz, James David
Wayzata, Minnesota

Wilkins, Arthur Carroll
Silver Springs, Maryland

Williams, Russell Eugene
Savannah, Georgia

Wilson, Charles Steele
Washington, D.C.

Wilson, Geoffrey Alan
Dover, Massachusetts

Wormley, Wayne Marvin
Grambling, Louisiana

Yamins, Robert Joseph
Freeport, New York

Yano, Yasuhiro
Hyogo, Japan

Yardley, Stephen Keyes
Needham, Massachusetts

Yates, David Carleton
Circleville, Ohio

Yaw, Gregory Russell
Jamestown, New York

Young, Ronald Henry
Ft. Pierce, Florida

Zametkin, Alan Joel
Providence, Rhode Island

Sophomores Class of 1973

Addison, Andrew Lewis
Lakewood, New Jersey

Ahrensdorf, LeRoy William, Jr.
Wauwatosa, Wisconsin

Allen, Paul Thorburn
Worcester, Massachusetts

Anderson, Anthony Bennett
Miami, Florida

Anderson, Robert Elmer, Jr.
West Barrington, Rhode Island

Angelo, John Kimberley
Hinsdale, Illinois

Aronow, Nathan Joshua
Newton, Massachusetts

Ashrafi, Victor
Dunellen, New Jersey

Auger, Peter Joseph
Hyannis, Massachusetts

Austin, James Albert, Jr.
Scarsdale, New York

Bardolph, Richard, Jr.
Greensboro, North Carolina

Barrett, James Edward, III
Philadelphia, Pennsylvania

Beatty, Robert Loring, Jr.
Darien, Connecticut

Beckwith, Mark Monroe
Darien, Connecticut

Beinhorn, Will Alston
San Antonio, Texas

Bellante, Carl Stephen
Clarks Summit, Pennsylvania

Bellante, John Lawrence
Clarks Summit, Pennsylvania

Bemis, James McElvare
Austin, Texas

Bennett, Christopher Martin
Wellesley, Massachusetts

Benzel, Richard Lawrence
North Haven, Connecticut

Berman, Robert Glenn
Great Neck, New York

Bisiewicz, Alan Walter
Holyoke, Massachusetts

Black, John Robertson
Statesville, North Carolina

Blackstone, Robert Alan
Waukesha, Wisconsin

Bleiler, Robert Hilton, Jr.
Manchester, Connecticut

Blood, Robert Eldredge, III
Marblehead, Massachusetts

Boothby, Clyde Arthur
Gorham, Maine

Breckberg, Robert Lee
Kodiak, Alaska

Brennecke, Thomas Raymond
Marshalltown, Iowa

Broad, Michael
Manchester, New Hampshire

Brodie, Allan Gibson, III
Glenview, Illinois

Brown, David Mosser
Framingham, Massachusetts

Brown, Gerald Graham, III
Norfolk, Virginia

Brown, Irving Foster
Ogdensburg, New York

Bruner, Robert Ray
Kansas City, Missouri

Buchanan, John Andrew
Moorestown, New Jersey

Budrewicz, Robert Joseph
Greenfield, Massachusetts

Buehler, Peter Swift
Pound Ridge, New York

Bull, Webster Leland
Greenwich, Connecticut

Burchfiel, Kenneth James, Jr.
Howard Field, Canal Zone

Butler, Peter Williams
Winnetka, Illinois

Caffey, Andrew Alexander
Timonium, Maryland

Carr, Jesse Huntington
Hempstead, New York

Carr, Robert Vose
Manchester, Massachusetts

Catto, Alistair John Alexander
Forfar, Angus, Scotland

Cavagnero, Paul Erman
Torrington, Connecticut

Caviston, Kerry Howard
Wenham, Massachusetts

Cawley, Michael Carroll
Bristol, Connecticut

Clark, William Howard, Jr.
Swarthmore, Pennsylvania

Clement, Charles Edward
Severna Park, Maryland

Cline, Craig Emerson
Williamsport, Maryland

Cochran, Stephen Larcher
Chevy Chase, Maryland

Cohen, Kenneth Robert
White Plains, New York

Conger, David Trist
Denver, Colorado

Connelly, Christopher James
Turners Falls, Massachusetts

Connelly, John Walter
Amherst, Massachusetts

Cooper-Smith, Jeffrey Paul
Orange, Connecticut

Corey, David Paul
Wellesley Hills, Massachusetts

Cornell, Paul Vance
County Waterford, Ireland

Coulter, Steven Lee
Tulsa, Oklahoma

Cuddy, John Cooper
Garden City, New York

Cummings, Timothy Lincoln
South Paris, Maine

Curry, Dennis Lackey
New Rochelle, New York

Dacey, Henry Gowan, Jr.
Shaker Heights, Ohio

D'Andrea, John Joseph
Belmont, Massachusetts

Danielson, Richard Warren
Fair Haven, New Jersey

Dardick, Lawrence David
New Haven, Connecticut

Davis, Sidney James, Jr.
New York, New York

Dean, Robert Lee
Glen Ridge, New Jersey

Decyk, Julian Borys
Providence, Rhode Island

Dennis, Edward Forrest
Houston, Texas

Dibble, Stephen George
Cincinnati, Ohio

Dillon, Carl Frederick, Jr.
Lowell, Massachusetts

Doniger, Andrew Seth
Nanuet, New York

Doolittle, Gary Stephen
Portland, Connecticut

Douglas, Donnelly Stewart
Westbrook, Maine

Douglass, Malcolm Paul, Jr.
Claremont, California

Downes, David Alan
West Hartford, Connecticut

Dunlap, William Holmes
Concord, New Hampshire

Eastburn, David Rodman
Doylestown, Pennsylvania

Edelman, Leon Frederick
Glencoe, Illinois

Ehrenkranz, Joel Richard Lewis
South Orange, New Jersey

Ehrgood, Thomas Alexander, Jr.
Lebanon, Pennsylvania

Ellis, John Lee
Fort Worth, Texas

Emanuel, Steven Lazar
Teaneck, New Jersey

Epstein, Andrew Ernest
Ann Arbor, Michigan

Ewing, Lee Baylor
Cuba, Illinois

Fernald, David Brooks
Needham, Massachusetts

Filler, Jorge Simon
New York, New York

Fox, John Martin
Lancaster, Pennsylvania

Franchot, Peter van Rensselaer
East Dover, Vermont

Franklin, Presley
Marks, Mississippi

Freudenthal, David Duane
Thermopolis, Wyoming

Galloway, Edward Hines
Greensboro, North Carolina

Gately, Edward Joseph, III
Haverford, Pennsylvania

Gentilli, Richard Emile
Milan, Italy

Gerchick, Mark Lawrence
Scarsdale, New York

Gibney, Edward
St. John, U.S. Virgin Islands

Gibralter, Richard Paul
Westbury, New York

Glover, George Thomas
Middletown, Connecticut

Goff, Stephen Payne
Swansea, Massachusetts

Gold, Kenneth David
Plainview, New York

Golenbock, Jeffrey Taylor
Scarsdale, New York

Goodman, Alan Robert
Ware, Massachusetts

Gordon, David
Silver Spring, Maryland

Green, Stephen Lloyd
Amherst, Massachusetts

Gumport, Michael Andrew
New York, New York

Haggerty, Kevin Patrick
Arlington, Virginia

Hall, Theodore Ray
Tulsa, Oklahoma

Harris, Bruce Anthony
Cedar Rapids, Iowa

Harris, Isaac Anthony, Jr.
Darien, Georgia

Harris, Thomas Norman
Piedmont, California

Hasen, John Hunnewell
New York, New York

Hayden, Jonathan Brewster
Yarmouth, Maine

Hayes, Gregory Michael
River Forest, Illinois

Hayner, Thomas Aquinas
Lexington, Massachusetts

Hicks, Robert Christopher
Los Angeles, California

Higgins, Alfred Clinton
Washington, D.C.

Hilbert, Christopher Robin
Indialantic, Florida

Holmes, Richard Douglas
Howard Beach, New York

Hopfan, Job
Roslyn Heights, New York

Horbar, Gary Michael
East Rockaway, New York

Horner, Richard Linscott
Columbia, Missouri

Hunter, Richard Hudspeth
Cresskill, New Jersey

Huskins, Kenneth Robert
Hempstead, New York

Isabell, Lonnie
Lackawanna, New York

Iwanski, Jerald Richard
Sterling Heights, Michigan

Jacob, William Carroll, Jr.
Scarsdale, New York

Jacobs, Richard Leo
Scarsdale, New York

Jaeger, R. Lloyd
Suffern, New York

Jasper, Napoleon, Jr.
St. Louis, Missouri

Jay, Jeffrey Alan
Trenton, New Jersey

Johnson, Clifton Charles
Wilbraham, Massachusetts

Johnson, George Robert, Jr.
Columbus, Georgia

Johnson, Ralphael Tyrone
St. Albans, New York

Johnston, Eric Richard
Norwalk, Connecticut

Jones, Albert Richard, III
Worcester, Massachusetts

Jones, Kenneth Leroy
Kinston, North Carolina

Joyner, Shelton, Jr.
Indianapolis, Indiana

Keenan, William Joseph, Jr.
West Hartford, Connecticut

Keith, Stephen Norbert
Chicago, Illinois

Keller, Geoffrey Lynn
Pasadena, California

Kemp, Thomas Lawson
Potomac, Maryland

Kennedy, Thomas Kevin John
Albuquerque, New Mexico

Kessler, David Aaron
Freeport, New York

Kester, Walter Carl
Swampscott, Massachusetts

Ketting, Jaap Jan
Bedford Hills, New York

King, Edward Chian-Shuan
Bethesda, Maryland

Klugman, Steven Ira
Havertown, Pennsylvania

Klutchko, Bruce Stewart
Farmingdale, New York

Koch, Douglas Donald
Port Huron, Michigan

Kowal, George Peter Paul
Glenview, Illinois

Lacey, John Fairbank
Mendham, New Jersey

Lachman, Charles Scott
New York, New York

Land, Henry Carter, III
Alexandria, Virginia

Lavigne, Robert George
Hartford, Connecticut

Lenox, Theodore Henry, III
Nashville, Tennessee

Leskowitz, Eric David
Framingham, Massachusetts

Levin, Theodore Craig
Weston, Massachusetts

Lewis, Gregory Scott
New Canaan, Connecticut

Libby, Thomas Gerold
Hastings-on-Hudson, New York

Liedtke, William Clarence, III
Houston, Texas

Livingston, Peter
Seattle, Washington

Long, Joseph Vincent, III
Potomac, Maryland

Loo, Clyde
New York, New York

MacKay, John Leonard
Montreal, Quebec, Canada

Mackey, William Charles
Atlanta, Georgia

Mantini, Dana Robert
Cambridge, Massachusetts

Marberger, Thomas Frederick
Arcola, Pennsylvania

Margulies, David Michael
Springfield, New Jersey

Martin, Donald Craig
Sturgis, Michigan

McCarthy, David Dennis
Farmington, Connecticut

McCorkle, William Frantz, Jr.
Lexington, Virginia

McCray, Harold Estle
Philadelphia, Pennsylvania

McCreary, Robert Grosvenor, III
Shaker Heights, Ohio

McGill, Scott Audley
Willowdale, Ontario, Canada

McHenry, John Evans, III
Wilmington, Delaware

McNeil, David Lang
Cincinnati, Ohio

McNeil, David Willard
West Boxford, Massachusetts

McNeish, David Dixon, Jr.
Wellesley Hills, Massachusetts

McNitt, James Darrell
Winnetka, Illinois

Menitove, Stephen Mark
Rockville Centre, New York

Messersmith, Andrew Kirk
Lancaster, Pennsylvania

Meyers, Stuart Louis
Pittsburgh, Pennsylvania

Milam, Jeffrey Lee
Los Angeles, California

Miller, Joseph Michael
Brooklyn, New York

Miller, William Bayard, Jr.
Wallingford, Pennsylvania

Miranda, Oscar, Jr.
New York, New York

Mitnick, John Harrod
Baltimore, Maryland

Mixter, James Murchie Eaton, Jr.
Cincinnati, Ohio

Moyer, Jonathan Frederick
Tulsa, Oklahoma

Mueller, Harold Carl
Creve Coeur, Missouri

Mullany, Brian Robert
Westfield, Massachusetts

Murphy, Paul Randolph
Philadelphia, Pennsylvania

Murphy, Richard Nathaniel
Hingham, Massachusetts

Murphy, Robert Douglas
Ramsey, New Jersey

Nash, Jay Arthur
Cincinnati, Ohio

Nelson, Carl Eric
West Concord, Massachusetts

Nerbonne, John Arthur, Jr.
Weymouth, Massachusetts

Neustadt, Ira
Florida, New York

Newton, Ratliff Michael
Chicago, Illinois

Norman, Alan David
Brookline, Massachusetts

Noyes, John Ely
Amherst, Massachusetts

O'Brient, James David
Danvers, Massachusetts

Offen, David Scott
Kensington, Maryland

Ogilvie, William Mark
St. Louis, Missouri

O'Neil, William Bruce
Lexington, Massachusetts

Orme, Eric Charles
Salt Lake City, Utah

Ourieff, Bruce Arthur
Los Angeles, California

Paine, Robert, III
St. Louis, Missouri

Pascone, David John
Johnston, Rhode Island

Patterson, John Thomas
Haddonfield, New Jersey

Pease, William Thompson
Wilmington, Delaware

Petrides, Chris Allan
Fitchburg, Massachusetts

Phillips, Mark Francis
Vernon, Connecticut

Phillips, William Walter
Westfield, New Jersey

Pullman, John
Hornell, New York

Rachleff, Peter Jay
New London, Connecticut

Rafferty, Christopher George
Kensington, Maryland

Raines, Rudolf
Brooklyn, New York

Rawdon, Blaine Knight
Riverside, California

Read, Verne Ross, III
Milwaukee, Wisconsin

Regier, Jon Denniston
River Edge, New Jersey

Reingold, Barry Jay
Forest Hills, New York

Reingold, Paul Dennis
Concord, New Hampshire

Rich, Alan Brewster, Jr.
Portland, Maine

Ridgley, Stephen Donald
Danvers, Massachusetts

Roberts, Dirk Stanley
New York, New York

Rosenbaum, Robert Leonard
Mt. Vernon, New York

Rosenkrantz, Carl
Miami Beach, Florida

Rosenthal, Edward Scott
Tenafly, New Jersey

Rosenthal, Jonathan Harry
New York, New York

Ross, Thomas Fredrick
Princeton, New Jersey

Roth, Charles Peterson
New York, New York

Russo, Mark Louis
Deerfield, Massachusetts

Ryan, Stephen David, III
Locust Valley, New York

Ryans, Albert
Dorchester, Massachusetts

Sailor, Richard Vance
East Patchogue, New York

Saladino, Angelo Henry
Utica, New York

Salerni, Paul Frank
New Britain, Connecticut

Samela, Leonard Vincent
Waterbury, Connecticut

Sampson, George William
Norwich, Vermont

Sarafian, Steven Sarkis
Bronx, New York

Sarsynski, Michael Paul, Jr.
Hadley, Massachusetts

Scheer, Peter Edward
Poughkeepsie, New York

Scheinman, Steven Jay
Woodbourne, New York

Schneider, Bryan Marshall
Georgetown, South Carolina

Schneider, Frederick William
Yonkers, New York

Schneider, Paul Robert
Tucson, Arizona

Schoepfer, Stephen Edward
Wellesley Hills, Massachusetts

Scholten, James Roger
Wayland, Massachusetts

Scott, Andrew Ross, Jr.
Sherborn, Massachusetts

Sellers, Thomas Peyton, III
Amherst, Massachusetts

Shepard, Thomas Rockwell, III
Greenwich, Connecticut

Shih, Christopher Louie
Brighton, Massachusetts

Shuck, John DeWitt
Minneapolis, Minnesota

Shulman, George Mark
Mountainside, New Jersey

Simpson, Thomas Braddock, III
New Canaan, Connecticut

Sims, Peter Jay
New Rochelle, New York

Skeele, John Franklin
New Canaan, Connecticut

Sklover, Alan Lawrence
Malverne, New York

Skove, Thomas Malcolm, Jr.
Shaker Heights, Ohio

Skubi, Craig Anthony
Seattle, Washington

Smith, Edward Lyman, Jr.
Flossmoor, Illinois

Smith, Jeremiah Elijah
LaGrange, Georgia

Smith, Peter Whitall
Meadowbrook, Pennsylvania

Smith, Stephen Slade
Rochester, New York

Soong, Arthur Jee-Chung
New York, New York

Sosnow, Peter Lewis
Freeport, New York

Spaeth, Edmund Benjamin, III
Philadelphia, Pennsylvania

Springer, Allen Lawrence
Geneva, New York

Squire, Jeffrey Harold
Levittown, Pennsylvania

Starkman, Michael Bruce
East Meadow, New York

Stearman, Gordon Kim
Phoenix, Arizona

Stern, Chester Jay
Denver, Colorado

Stisser, Robert Gridley
Riverside, Connecticut

Straub, Kenneth Marshall
APO San Francisco, California

Stringer, John Arbuthnott
Darien, Connecticut

Swann, John Thomas
Knoxville, Tennessee

Swanson, Jay Williams
Orchard Park, New York

Taft, Millens Walter, III
East Longmeadow, Massachusetts

Tarnoff, John Brooks
Greenwich, Connecticut

Tasch, Edward Bennett
Stamford, Connecticut

Telfer, James Laureston
Bloomfield Hills, Michigan

Thaler, Malcolm Stuart
Poughkeepsie, New York

Theismann, John August
Mayville, New York

Tinker, David Duncan
Easton, Maryland

Tonino, Richard Philip
West Hartford, Connecticut

Toth, Christopher Keats
St. David's, Pennsylvania

Troll, Mark Andrew
Brooklyn, New York

Trueheart, Charles
Washington, D.C.

Trushin, Neil Mark
Mt. Vernon, New York

Unfug, Charles Stephen
Fort Collins, Colorado

Vaughan, Frank Apthorp
Marshfield, Massachusetts

Veeder, Thomas Gordon
Princeton, New Jersey

Wade, Jeptha Alan, III
Saratoga, California

Waller, Donald Macgregor
Indianapolis, Indiana

Ware, David Keith
Manchester, Connecticut

Webb, Alexander Henderson
South Salem, New York

Weiss, Stephen Mark
New York, New York

Weller, Keith Richard
East Grand Rapids, Michigan

Wetrich, William Wallace
Claremont, California

Wheeler, William Scott
Darien, Connecticut

Whittenberger, Brock Poston
Grand Rapids, Michigan

Whyte, Eric Henry Archibald
Andover, Massachusetts

Widmer, James Edward
Wayne, Pennsylvania

Wilbur, Nathan Lord
Middletown, Connecticut

Williams, Andre Martin
Trenton, New Jersey

Williams, Jerre Stockton, Jr.
Austin, Texas

Wilson, Robert Milton, Jr.
Hartford, Connecticut

Wingo, Anthony Kevin
Washington, D.C.

Winkelman, Marc David
Shaker Heights, Ohio

Winkler, Peter David
Bethesda, Maryland

Winslow, David, Jr.
Tiburon, California

Wojcik, David Albin
Ware, Massachusetts

Wolff, Richard Arnold
Winnetka, Illinois

Woolverton, William Henderson, III
East Norwich, New York

Wooten, William Daniel, Jr.
Lynchburg, Virginia

Wright, Charles Edward
Villanova, Pennsylvania

Wyman, James Nayler
Amherst, Massachusetts

Yock, Paul Gordon
St. Louis Park, Minnesota

Young, Elmer Lorne
Harrison, New York

Young, Jeffrey Sean
Atherton, California

Zaret, David Raphael
Great Neck, New York

Zickel, Mark Henry
Santurce, Puerto Rico

Zink, Paul Alexander
Marblehead, Massachusetts

Zurkow, Jeffrey Leaf
Dover, Delaware

Freshmen Class of 1974

Abbey, David Sterling
Chappaqua, New York

Abbondanza, Richard Joseph
Haverhill, Massachusetts

Abraham, Edward
Scottsdale, Arizona

Ammons, Richard Allen
Springfield Gardens, New York

Angiolillo, Bruce Domenick
Roslyn Harbor, New York

Anspacher, Stephen John
Dickerson, Maryland

Antonucci, Paul Robert Angelo
Windsor, Connecticut

Bailey, Ronald Edward
Hampton, Virginia

Bancroft, Peter Ernest
Kennebunkport, Maine

Bandas, Mark David
Paxton, Massachusetts

Barton, James Clifton, Jr.
Birmingham, Alabama

Barton, William Thomas
Summit, New Jersey

Belcher, Stephen Paterson, IV
Dares Salaam, Tanzania

Benko, Ralph J.
Albany, New York

Bennett, Ralph Edward
Greenwich, Connecticut

Bennison, John Brice
Princeton, New Jersey

Berman, Burt
Palm Springs, California

Berns, Mitchell
Ossining, New York

Blistein, David Schaffer
Providence, Rhode Island

Boatner, Samuel
Chicago, Illinois

Bonanno, Joseph Anthony
Tenafly, New Jersey

Bonica, John Richard
North Bergen, New Jersey

Brawley, Peter Edward
Stratford, Connecticut

Bristol, Frederick Adams, III
South Burlington, Vermont

Browne, Henderson Joseph, IV
Washington, D.C.

Bruno, Thomas Joseph, II
Philadelphia, Pennsylvania

Bryant, Stephen Chandler
Winchester, Massachusetts

Buscaglia, John William
Buffalo, New York

Buttolph, John Earl
Hewlett, New York

Cardwell, Michael Earl
Lynchburg, Virginia

Carol, Mark Philip
Mamaroneck, New York

Carpenter, Stephen Russell
Bethesda, Maryland

Casey, Paul Christopher
Milford, Connecticut

Champagne, Oliver William Robert, Jr.
Paris, France

Chenault, Stephan Charles
Hempstead, New York

Cheung, Wang Kong
Hong Kong

Clarke, Thomas Huntington
Minneapolis, Minnesota

Cleaver, Richard Grinnell
Grinnell, Iowa

Coates, Norman Francis, Jr.
Worcester, Massachusetts

Cohen, Robert Maynard
Chevy Chase, Maryland

Collins, Robert Deaver, Jr.
Nashville, Tennessee

Conley, Christopher Redifer
Manchester, Massachusetts

Considine, Michael John
Torrington, Connecticut

Cooke, William Owen, Jr.
Greensboro, North Carolina

Cooper, John Niessink, II
Kalamazoo, Michigan

Cottrel, Christopher Rockwell
West Chester, Pennsylvania

Couch, Reese Francis
Philadelphia, Pennsylvania

Crossland, Fred Eugene, Jr.
Montvale, New Jersey

Crowe, Joseph Patrick, Jr.
Shaker Heights, Ohio

Cruikshank, Jeffrey Lloyd
Maplewood, New Jersey

Cummings, Floyd, Jr.
Aiken, South Carolina

Dangremond, David William
Seneca Falls, New York

Dash, George Bertram
Wyncote, Pennsylvania

Davis, Charles Talcott, II
Bloomfield, Connecticut

Davis, Howard Zeleg
Broomall, Pennsylvania

Dean, Robert Maitland
North Scituate, Rhode Island

DeBragga, Richard Paul
Islip, New York

Doherty, Adrian Walter, Jr.
Short Hills, New Jersey

Donaldson, Charles Walter, Jr.
Huntsville, Alabama

Donati, Gianni Corso
Williamstown, Massachusetts

Doolittle, William David
Radnor, Pennsylvania

Dorfsman, Neil Eric
Great Neck, New York

Dorsey, James Willis
Philadelphia, Pennsylvania

Douglass, David Latham
Marblehead, Massachusetts

Dowling, Mark Woods
Wilton, Connecticut

Driscoll, Peter Lawrence
Albuquerque, New Mexico

Dube, David Harvey
DeWitt, New York

Duff, Craig Norman
Cincinnati, Ohio

Dumont, Gabriel Oliver, Jr.
Skowhegan, Maine

Dunnings, Stuart John, III
Lansing, Michigan

Durgin, Reginald Lee
Yarmouth, Maine

Duvall, Mark Nichol
Alexandria, Virginia

Eakland, Henry Nordling
La Canada, California

Echelbarger, Lindsey Leo Robin
Lynnwood, Washington

Eichen, Glenn Neal
Hollis, New York

Eley, Thomas Wendell
Milwaukee, Wisconsin

Ellen, Kenneth James
Evanston, Illinois

Elovitz, Gerald Paul
York, Pennsylvania

Epstein, Daniel Mark
Philadelphia, Pennsylvania

Ettinghausen, Stephen Edmund
Princeton, New Jersey

Farrell, Glenn Michael
Byram, Connecticut

Feldman, Robert Young
Hayward, California

Ferm, William Nelson
South Hadley, Massachusetts

Fitts, Frederic Perry
Potomac, Maryland

Foliart, Danford Wilson
Oklahoma City, Oklahoma

Fort, Andrew Osmun
Plainfield, New Jersey

Francis, Henry Lloyd, Jr.
Waterbury, Connecticut

Franklin, Kenneth William
Westbury, New York

Freeman, Peter Crosby
Lake Bluff, Illinois

Frew, Scott Little
Woodbury, Connecticut

Frost, Anthony deWitt
Fairfield, Connecticut

Furbush, Craig Marland
South Portland, Maine

Ginn, William James
Shaker Heights, Ohio

Glista, Mark
Centerville, Massachusetts

Glover, Kenneth Elijah
North Englewood, Maryland

Goldberg, Charles Stephen
Forest Hills, New York

Golden, Jeffrey Stephen
Fayetteville, New York

Goldring, Louis Mark
Jackson, Michigan

Goldshein, Mark Gilbert
New York, New York

Goodman, Jeffrey Howard
Portland, Maine

Gordon, Andrew Kenley
Bloomfield Hills, Michigan

Gordon, Eric Rodney
Winston-Salem, North Carolina

Gordon, Frank Stephen
Bethesda, Maryland

Gordon, Michael
Beachwood, Ohio

Goulston, Richard Bruce
Brookline, Massachusetts

Gowdy, David Philip
Scotch Plains, New Jersey

Graves, William James
Barnet, Vermont

Greene, William Ellery, III
Bronxville, New York

Guild, Peter Bradford
Augusta, Maine

Ha, Quoc Cuong
Saigon, Vietnam

Hall, Mark Lloyd
Potomac, Maryland

Halpern, Richard Neil
Galesburg, Illinois

Hankin, Christopher Gallup
Potomac, Maryland

Harran, Wayne Jeffrey
New York, New York

Harris, Nicholas Bennett
New York, New York

Hart, George William, III
Pueblo, Colorado

Harvey, David Stimson
McLean, Virginia

Hay, Joel Walker
Portland, Oregon

Healy, William Lawrence, III
Needham, Massachusetts

Hickey, Thomas Richard, Jr.
Westport, Connecticut

Hinckley, Stephen Mark
Hardwick, Massachusetts

Hoerth, Jeffrey Garrison
Marblehead, Massachusetts

Hollister, John Baker, III
Gates Mills, Ohio

Holt, Christopher Evan
Baldwinsville, New York

Hottensen, Robert Garner, Jr.
Milwaukee, Wisconsin

Howard, Donald James
Manhassett, New York

Howarth, Robert Warren
Durham, New Hampshire

Inglis, Alan
Shaker Heights, Ohio

Ives, Harlem Russell
Birmingham, Michigan

Johnson, Daniel Cameron
Rumford, Maine

Johnson, Walter Carroll
White Plains, New York

Johnston, Thomas Cole
Flossmoor, Illinois

Kahn, Michael Andrew
University City, Missouri

Kaminer, Stevenson Scott
New York, New York

Keevil, Charles Samuel, III
Lincoln, Massachusetts

Kimberly, David Robinson
New Haven, Connecticut

Kirschbaum, Thomas Avrom
Belvedere, California

Klancnik, Thomas Evans
Park Ridge, Illinois

Klonoski, Richard Francis
Bristol, Connecticut

Kramer, Harvey Merrill
Margate, New Jersey

Krushel, Kenneth Joseph
Rosyln Heights, New York

Lacher, David
Syracuse, New York

Laff, Kenneth Martin
Englewood, Colorado

Landau, Robert Walter
Washington, D.C.

Landman, Jonathan Isaac
New York, New York

LaPointe, Paul Reggie
Milwaukee, Wisconsin

Larson, Dana Linder
St. Louis Park, Minnesota

Lawrence, Andrew Charles
Chevy Chase, Maryland

Leach, Thomas Raeside, Jr.
St. Albans, New York

Leggett, James Everett, Jr.
Lexington, Kentucky

Leslie, Kenneth Donald
Peekskill, New York

Linden, Christopher Harold
Danvers, Massachusetts

Lipton, Richard Mark
Youngstown, Ohio

London, Mark Scott
New York, New York

Long, David Fullerton
Swarthmore, Pennsylvania

Long, Michael Paul
Spring Valley, New York

Longley, Jonathan Raymond
Springfield, Massachusetts

Lopez, Floyd William
Albuquerque, New Mexico

Lorch, Robert Frederick, Jr.
West Hartford, Connecticut

Lowe, Stephen Russell
Wellesley Hills, Massachusetts

MacLachlan, David Campbell
Erie, Pennsylvania

MacLeod, Michael Brian
London, England

Magdaleno, Thomas
Los Angeles, California

Malone, William Eugene
Forest Park, Illinois

Mangini, Mark
Darien, Connecticut

Manker, Charles Forrest
Chicago, Illinois

Manly, Marc Edward
Kokomo, Indiana

Manstein, Mark Eric
Rydal, Pennsylvania

Marshall, Lawrence William
Leominster, Massachusetts

Mastronarde, David Nicholas
Hartford, Connecticut

Mazzara, Robert Stuart
Bethpage, New York

McArthur, Mark Anthony
Chicago, Illinois

McDermott, Brian Emerson
Manhasset, New York

McGuire, Michael Robert
Owatonna, Minnesota

McMahon, William Coulson, Jr.
Plandome, New York

Meader, Dwight Derek
Tarrytown, New York

Medley, Terry Lonzo
Nokesville, Virginia

Meer, David Mendel
Mount Vernon, New York

Messenger, John Barss
Larchmont, New York

Metz, John Robert, Jr.
Syracuse, New York

Michelson, Edward Barry
West Roxbury, Massachusetts

Miles, Louis Russell
Helena, Montana

Miota, Randolph Hideo
Honolulu, Hawaii

Mondschein, Jeffrey Marc
Monsey, New York

Moran, Michael Joseph
Wallingford, Pennsylvania

Moriarty, David Michael
Oxford, Massachusetts

Mount, Keith Alden
Warren, New Jersey

Murphy, John Cullen, Jr.
Cos Cob, Connecticut

Nadworny, Howard Alan
Burlington, Vermont

Nazar, Michael David
Branford, Connecticut

Nizin, Joel Scott
New York, New York

Notopoulos, Alexander Anastasios, Jr.
Hollidaysburg, Pennsylvania

Noyes, Duncan Lowell
Amesbury, Massachusetts

Nunn, Jeffrey Allen
Weston, Connecticut

Nussbaum, Mark Stephen
Wethersfield, Connecticut

O'Brien, Kevin John
Enfield, Connecticut

O'Kell, David Charles
Toronto, Ontario, Canada

O'Neill, Thomas Robert
Rochester, New York

Orlik, Randy Phillip
Dallas, Texas

Orozco, Edmundo Jose
Carlsbad, New Mexico

Osborn, Jeffrey Lynn
Sturgis, Michigan

Ostner, Steven Mark
Valley Stream, New York

Owens, Edward Octy
Ann Arbor, Michigan

Owens, Franklin, Jr.
Des Moines, Iowa

Owens, Thomas Lyon
Wayzata, Minnesota

Papandreou, George Andreas
King City, Ontario, Canada

Parker, Phillip Noyes
New Canaan, Connecticut

Perkins, John Earl, III
Baton Rouge, Louisiana

Phillips, Jeffrey Mark
Marblehead, Massachusetts

Pierce, Michael Jerome
Columbus, Georgia

Poliakoff, Steven Jon
Merchantville, New Jersey

Powell, William John, III
Industry, Pennsylvania

Pultz, John Francisco
Memphis, Tennessee

Purdy, Marshall Bartlett
Philadelphia, Pennsylvania

Quinn, Thomas Edward
West Hartford, Connecticut

Rafferty, Michael Paul
East Longmeadow, Massachusetts

Rasmussen, John Arnold
Ansonia, Connecticut

Rayment, David William
Hyannis, Massachusetts

Reeves, James Frederick
Guilderland, New York

Reichard, Theodore Carl, Jr.
Noank, Connecticut

Reichstein, Robert Paul
Skokie, Illinois

Richards, Douglas Gordon
Chatham, New Jersey

Rieff, David Sontag
New York, New York

Riklin, Scott Frederick
Rye, New York

Ritter, Thomas Drummond
Hartford, Connecticut

Roca, Juan Xavier
Ponce, Puerto Rico

Rock, Joseph William
Shaker Heights, Ohio

Rogawski, Michael Andrew
Los Angeles, California

Rollins, Barrett Jon
Shaker Heights, Ohio

Roose, Thomas Dewey
Terrace Park, Ohio

Rosenfield, Harvey Jay
Randolph, Massachusetts

Rubendall, Robert Lee, Jr.
Halifax, Pennsylvania

Rumpler, Thomas Stuart
Cincinnati, Ohio

Ruotolo, Andrew Keogh, Jr.
Westfield, New Jersey

Salem, Robert Joseph
North Brookfield, Massachusetts

Samaras, Andonis Constantine
Athens, Greece

Sampson, Ronald Stephen
Elizabeth, New Jersey

Sands, Robert Andrew
Albany, New York

Satran, David
Hicksville, New York

Sawyer, Jeffrey McCullough
Pittsford, New York

Scheff, Jonathan Herbert
Newton Centre, Massachusetts

Schillo, John Morey
Towson, Maryland

Schissel, Donald John, Jr.
Des Moines, Iowa

Schlesinger, Peter Alan
Great Neck, New York

Schwab, Paul Edward, III
Bethesda, Maryland

Scott, Freddie Lee
Pine Bluff, Arkansas

Scott, Richard Paul
North Merrick, New York

Scribner, Kevin Thomas
Walla Walla, Washington

Scroggins, Stephen Rayburn
Milwaukee, Wisconsin

Selinger, Joseph Jerome, Jr.
Wilton, Connecticut

Semlear, Robert Dwight
Sag Harbor, New York

Senft, Stephen Lamont
Providence, Rhode Island

Severni, William Justin
Avon, Connecticut

Shaw, Casper
New York, New York

Shaw, Joshua Hamblen
Tacoma, Washington

Shipper, Edward Stanley, Jr.
Florence, Alabama

Shortt, Bruce Nevin
Federal Way, Washington

Silberstein, Peter Todd
Larchmont, New York

Simmons, Peter Alan
Winchester, Massachusetts

Skeele, Charles Richardson
New Canaan, Connecticut

Skovgaard, Robert Alan
Stamford, Connecticut

Smilow, David H
South Orange, New Jersey

Soliday, David Shriver, III
Litchfield, Connecticut

Sommer, Philippe Lazare
New York, New York

Soyster, Thomas William
Tenafly, New Jersey

Spiegel, Ladd
Silver Spring, Maryland

Spivack, Eric D
New York, New York

Springer, Martin Ferdinand Bligh
Northfield, Illinois

Stein, Robert
Highland Park, Illinois

Steinbrook, Robert Louis
Wynnewood, Pennsylvania

Sullivan, Neil
Bloomfield Hills, Michigan

Tanner, Richard Dean
Palo Alto, California

Tariot, Pierre Nelson
Weston, Massachusetts

Taylor, William Thomson
Wyncote, Pennsylvania

Terry, Christopher Burdett
West Hartford, Connecticut

Thayer, Lucius Harrison, III
Chestnut Hill, Massachusetts

Theye, Thomas Albert
Rochester, Minnesota

Thomas, Edward Arthur, Jr.
North Haven, Connecticut

Thomas, Glenn Ellwood
Louisville, Kentucky

Thomson, Richard Thomas
Excelsior, Minnesota

Tietjen, Richard Doremus, Jr.
Old Saybrook, Connecticut

Torch, Christopher Carl
Chesterland, Ohio

Trageser, Charles Stewart
Wayland, Massachusetts

Trautmann, Charles Home
Islesboro, Maine

Tredici, Tomas
San Antonio, Texas

Tshibangu, Raphael
Panda, R.D., Congo

Tuck, Andrew Philip
Scarsdale, New York

Turner, James Earl
Calumet City, Illinois

Van Essen, Thomas
Westport, Connecticut

Vayer, Marshall Scott
Longmeadow, Massachusetts

Velleman, James David
Port Washington, New York

Villafane, Rafael Luis
Mexico City, Mexico

Waddell, William Stewart, Jr.
Wilton, Connecticut

Wahlers, John Ludwig
Sandusky, Ohio

Warren, James Cassel
New York, New York

Washington, Kenneth Lamont
New York, New York

Washington, Michael Edward
East Cleveland, Ohio

Watts, William Wadsworth, III
Glencoe, Illinois

Weaver, William Frederick
Shelton, Connecticut

Webb, Peter Gallett
Montclair, New Jersey

Webber, Peter Colbourne
Great Barrington, Massachusetts

Weber, Douglas Ely
Wheaton, Illinois

Weisman, Geoffrey Dean
Plainview, New York

Werner, David William
Pittsburgh, Pennsylvania

Whalen, Richard Mark
North Branford, Connecticut

Whitehead, James Fraser
Syracuse, New York

Wicks, John Oliver, III
Pittsburgh, Pennsylvania

Wieder, Robert Kelman
Wethersfield, Connecticut

Wilcoxon, Hardy Culver, Jr.
Nashville, Tennessee

Williams, Norman Joseph
Chicago, Illinois

Williams, Roy Christopher
Stockbridge, Massachusetts

Wiltsie, Gordon Hastings
Bishop, California

Winslow, Christopher
Tiburon, California

Winslow, Dalton Smith
Caribou, Maine

Winterling, Paul Joseph
Baltimore, Maryland

Wissow, Lawrence Sagin
North Plainfield, New Jersey

Wourms, Richard Leo
Houston, Texas

Wrage, Stephen Douglas
Carlisle, Massachusetts

Wynn, Ronald Jefferson
Knoxville, Tennessee

EXCHANGE STUDENTS IN RESIDENCE AT AMHERST

MEMBERS OF TWELVE-COLLEGE INTERCHANGE PROGRAM

Name	*Class*	*College*
Barr, Kathryn Jane Wichita, Kansas	1971	Mount Holyoke College
Bessette, Jo-Anne Marie Mattapoisett, Massachusetts	1972	Smith College
Bitner, Joan Elaine Timonium, Maryland	1971	Smith College
Blizard, Aline F. Corning, New York	1971	Mount Holyoke College
Carlsmith, Laura Amherst, New Hamphsire	1973	Mount Holyoke College
Connolly, Jennifer Anne Westmount, Quebec, Canada	1972	Smith College
Delehanty, Susan F. Schenectady, New York	1972	Smith College
Dickstein, Carla Brooke Portland Maine	1971	Smith College
Dickstein, Sherry Ann Portland, Maine	1973	Smith College
Disenhaus, Nancy Rose Annandale, Virginia	1972	Mount Holyoke College
Fine, Marjorie Lynn Rockville Centre, New York	1972	Smith College

EXCHANGE STUDENTS

Name	*Class*	*College*
Friedman, Marcy Susan Dix Hills, New York	1972	Smith College
Jacox, Lynn Christiane Theresa Wantagh, New York	1972	Mount Holyoke College
Krause, Jane Alice Providence, Rhode Island	1971	Connecticut College
Labinger, Lynette Joy Los Angeles, California	1971	Mount Holyoke College
Ladd, Julia Isabel Rochester, New York	1973	Smith College
MacNeill, Bonnie Arden Wayland, Massachusetts	1973	Mount Holyoke College
Mapother, Nancy Rubel Potomac, Maryland	1973	Mount Holyoke College
Regan, Priscilla Marie Theresa Port Washington, New York	1972	Mount Holyoke College
Rockwell, Camilla Booth Rochester, New York	1972	Mount Holyoke College
Roth, Nancy Ellen New York, New York	1972	Smith College
Thomson, Janice Irene Weston, Connecticut	1971	Mount Holyoke College
Trygstad, Joyce Christine Manhasset, New York	1972	Mount Holyoke College
Weissinger, Linda Ellen Levittown, Pennsylvania	1972	Smith College

OTHER EXCHANGE PROGRAMS

Thornton-Pett, Peter George
Warwickshire, England
University of Warwick

Webb, Philip Edward
Leicestershire, England
University of Warwick

Whitehouse, Leslie Gerald
Torquay, Devon, England
University of Warwick

SPECIAL STUDENTS

Déprats, Jean Michel
Albi Tarn, France

Dubreuil, Bernard
St. Cloud, France

Kleinschmidt, Harold
Rusenallee, Germany

Laffaille, Jean Pascal
Paris, France

Miranda, Carlos
Santiago, Chile

Sojka, William Francis
South Hadley, Massachusetts

AMHERST STUDENTS ON LEAVES OF ABSENCE

EDUCATIONAL LEAVES

Barbour, Bernard Eric East Orange, New Jersey	1972	University of Ibadan
Bodine, Laurence Sioux City, Iowa	1972	Wayne State University Junior Year in Munich
Brandt, Eric Stuart Hadley, Massachusetts	1972	Berklee College of Music
Bromell, Nicholas Knowles FPO New York, New York	1972	College Year in Athens
Cody, Jeffrey William Westbury, New York	1972	University of Barcelona
Dore, Michael Patrick North Bergen, New Jersey	1972	University of Leeds
Egan, Michael James Timonium, Maryland	1972	University of Freiburg
Ferrandino, Vincent Luke Norwalk, Connecticut	1972	Smith College Junior Year in Italy
Foster, Stephen Matthews Andover, Massachusetts	1972	University of Barcelona
Gordon, John Davidson Wilmington, Delaware	1972	Sweet Briar College Junior Year in France
Holzman, Thomas Ludwig Lexington, Massachusetts	1972	Tufts University Junior Year in Paris
Ray, David Allan Williamsville, New York	1972	University of Manchester
Walsh, Sean Patrick Bronx, New York	1972	Sweet Briar College Junior Year in France
Willoughby, John Rawling, III Warren, Ohio	1972	Smith College Junior Year in Hamburg

EXCHANGE PROGRAMS

Brailow, David Gregory Keuka Park, New York	1972	University of Warwick
Mead, Albert Edward San Marino, California	1972	University of Warwick
Porter, Horace Anthony Columbus, Georgia	1972	Morehouse College
Tritschler, David James Creve Coeur, Missouri	1972	University of Warwick

TWELVE-COLLEGE INTERCHANGE PROGRAM

Ignatoff, Elisha M. Bronx, New York	1971	Connecticut College
Landfield, Timothy Arnold Evanston, Illinois	1972	Smith College

Pates, James Morgan Fredericksburg, Virginia	1972	Vassar College
Tabenkin, Mark Seth West Caldwell, New Jersey	1972	Smith College

FIELD STUDY PROGRAMS

Allen, Bruce Edgarton Canton, Massachusetts	1971	Kaufman, Daniel Jonathan Great Neck, New York	1971
Andrews, Robert Goff Burnsville, Minnesota	1971	Kirkpatrick, Brett Turnley Nashville, Tennessee	1974
Biggs, Eric Richard Eugene, Oregon	1972	Klein, Laurence Alan Brooklyn, New York	1971
Bliss, John Wheeler Locust Valley, New York	1971	Kornblith, Gary John Pound Ridge, New York	1972
Cohen, Richard Bruce East Rockaway, New York	1972	Leigh, Armistead Macon Shaker Heights, Ohio	1972
Cohn, Daniel Richard Stamford, Connecticut	1972	Lenz, William Ernest Orangeburg, New York	1972
Hackett, David Gray Ann Arbor, Michigan	1973	Messing, Gary Marc New York, New York	1972
Heffernan, Edwin James Kennebunk, Maine	1972	Peddicord, Douglas Jeffrey Baltimore, Maryland	1972
Herzberg, Bruce Irving Vineland, New Jersey	1971	Sils, Peter Concord, Massachusetts	1973
Hoag, Selwyn Barton Littleton, Colorado	1972	Wolf, Leslie Eric Shaker Heights, Ohio	1972
Horn, Steven Eliot Scarsdale, New York	1971	Wolpaw, Daniel Rich Shaker Heights, Ohio	1972

AMHERST COLLEGE

SUMMARY OF ENROLLMENT*

Seniors, Class of 1971	280
Juniors, Class of 1972	278
Sophomores, Class of 1973	327
Freshmen, Class of 1974	319
Sub Total	1,204
Exchange Students— Full Time	27
Sub Total	1,231
Graduate Students	1
Special Students	6
TOTAL	1,238

*Not included are the 44 Amherst students who are on leaves of absence away from Amherst as of the first semester, 1970-71.

CLASSIFICATION BY RESIDENCE

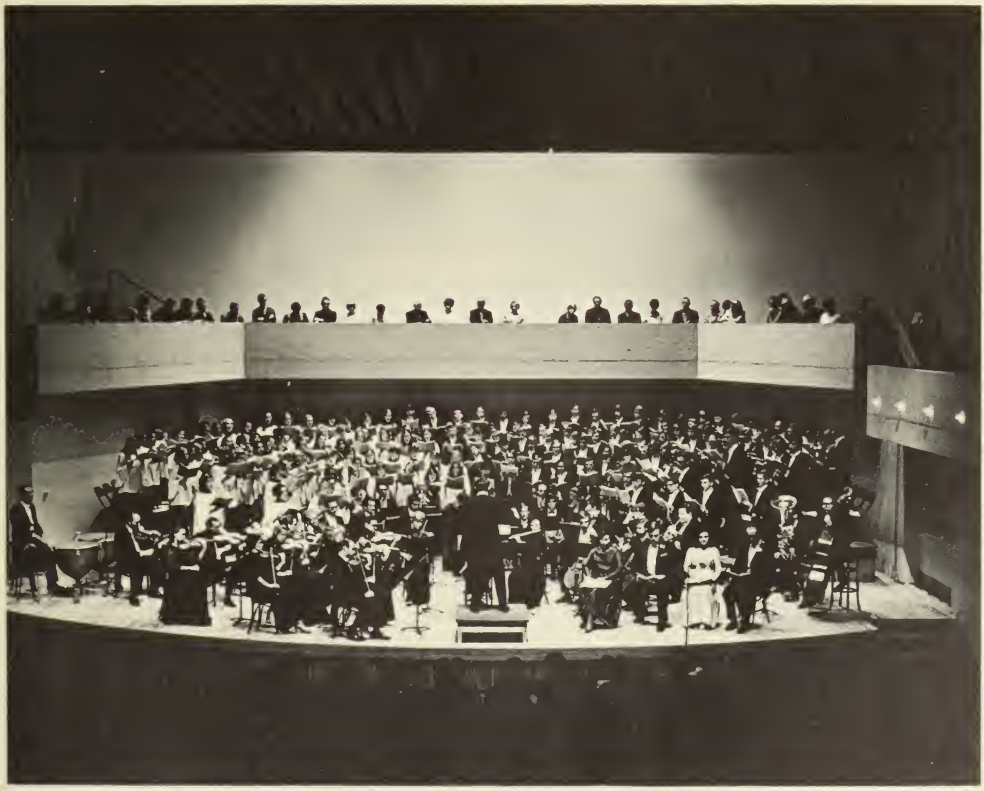
New York	251
Massachusetts	180
Connecticut	121
Pennsylvania	79
New Jersey	77
Illinois	52
Maryland	48
Ohio	38
California	32
Michigan	28
Maine	21
Virginia	20
Minnesota	18
Missouri	15
Rhode Island	15
Texas	15
District of Columbia	14
Georgia	12
New Hampshire	11
Wisconsin	11
Washington	10
Vermont	9
Colorado	8
North Carolina	8
Iowa	7
Oklahoma	7
Delaware	6
Indiana	6
Tennessee	6
Arizona	5
Florida	5
Louisiana	5
Alabama	4
New Mexico	4
Hawaii	3
Kentucky	3
Nebraska	3
Mississippi	2
Oregon	2
South Carolina	2
Alaska	1
Arkansas	1
Idaho	1
Montana	1
Utah	1
Wyoming	1
Canada	7
France	3
Greece	3
England	2
Japan	2
Puerto Rico	2
Argentina	1
Brazil	1
Canal Zone	1
Ceylon	1
Congo	1
Hong Kong	1
Ireland	1
Italy	1
Mexico	1
Niger	1
Scotland	1
Tanzania	1
U.S. Virgin Islands	1
Vietnam	1
West Cameroon	1
West Germany	1
Total	1,204

VI

THE SOCIETY OF THE ALUMNI

THE ALUMNI COUNCIL

THE ALUMNI ASSOCIATIONS

Buckley Hall in the Amherst Music Building

The Society of the Alumni

OFFICERS

Honorary President: Clarence Francis '10

President: Robert J. McKean, Jr. '50

Vice Presidents: Charles H. Brown '16, Mason O. Damon '26, John T. McTernan '31, Niel A. Weathers, Jr. '36, George Spiegel '41

Secretary-Treasurer: J. Alfred Guest '33

COMMITTEES

Nominating Committee: George T. Bristol, Jr. '36 (Chairman), Robert C. Ransom '41, Theodore L. Cross '46, H. Franklin Bloomer, Jr.'56, Charles B. Updike '61

Inspectors of Election: William H. Ross '29 (Chairman), John H. Hills '31, H. Hills Skillings '38

Committee to Nominate Alumni Trustee: Robert E. Giese '36 (Chairman), John W. Steere '41, Robert Wallingford '46, David F. Sheldon '51, David J. Greenblatt '66

The Annual Meeting of The Society of the Alumni is held in Commencement Week.

The Alumni Council

OFFICERS

Chairman: Robert J. McKean, Jr. '50

Secretary: J. Alfred Guest '33

EXECUTIVE COMMITTEE

Seth H. Dubin '54 (Chairman); Robert H. Brown, Jr.'69, Stephen W. Grant '30, Walter J. Hunziker, Jr. '51, Maurice A. Longsworth '54, Robert J. McKean, Jr. '50, William McC. Vickery '57

REPRESENTATIVES OF CLASSES

1892	Allan P. Ball	1930	Richard W. Loud
1900	Osmond J. Billings	1931	S. Harris Johnson, III
1903	Albert W. Atwood	1932	William T. Stewart, Jr.
1904	Ernest M. Whitcomb	1933	Richard H. Gregory, Jr.
1906	William E. D. Ward	1934	Sanford Keedy
1908	Hugh W. Hubbard	1935	Arthur R. English
	Robert H. Kennedy	1936	George T. Bristol, Jr.
1909	William H. Wright	1937	James M. Selby
1910	John Porter	1938	Bennett Meyers
1911	Beeckman Delatour	1939	Robert J. Kelly
1912	Maurice J. Levy	1940	Robert A. Potter
1913	Edward S. Morse	1941	Robert G. Ingraham
1914	Clarence D. Rugg	1942	Edward J. Kneeland
1915	William Whiting	1943	S. Dakin Chamberlain, Jr.
1916	Homans Robinson	1944	Meredith N. Stiles, Jr.
1917	Donald E. Temple	1945	John T. Dobbin
	Eric H. Marks		Samuel F. Trull
1919	Herman W. Wessel	1946	Robert W. Sucsy
1920	Perry B. Jenkins	1947	L. Richard Lyman, Jr.
1921	John N. Worcester	1948	William W. Lawrence, Jr.
1922	Edward S. O'Donnell	1949	Gerald D. Reilly
1923	Harry S. Ferguson	1950	Frank G. Stisser, Jr.
1924	Cyril K. Collins	1951	Thomas H. Wyman
1925	Merton L. Griswold	1952	Mercer D. Tate
1926	Paul C. French	1953	Charles M. Strait
1927	Robert A. Arms	1954	David G. Underwood
1928	Stuart Pike	1955	Alling C. Brown
1929	Geoffrey G. Felt	1956	Peter G. Hindle

1957	Robert E. Keiter
1958	C. Michael Spero
1959	Richard A. Cook
1960	David I. Shactman
1961	Alexander S. Twombly, III
1962	Brian Christaldi
1963	Mark E. Meyerson
1964	Peter D. Kleinman
1965	William R. Buechner
1966	Charles K. Wray
1967	Irvin D. Gordon
1968	Claude A. Pickens
1969	Claudius A. Gordon

REPRESENTATIVES OF ALUMNI ASSOCIATIONS

Arizona (Phoenix)
Eric H. Marks '17

Arizona (Tucson)
Linn M. Hazen '33

Baltimore
Stephen T. Ellen '37

Boston
Lucian J. Colucci '37
Guilbert Q. Wales '35

California (Northern)
David Winslow '38

California (Southern)
Richard W. Patton '54

Cape Cod
Lloyd W. Miller '19

Chicago
Robert B. Jarchow '44
Ernest Palmer, Jr. '36

Connecticut
J. Herbert Arnold, Jr. '43

Connecticut (Southern)
Victor R. Pattengill, Jr. '39

Connecticut Valley
Daniel Leavitt '45

Florida (Gulf Coast)
James J. Corral '40

Florida (Southern)
William Atwill '26

Georgia
Lee N. Lindeman '59

Hawaii
Edson P. Shepherd '55

Indiana
Gerry LaFollette '55

Maine
Richard S. Wolfe '52

Massachusetts (Central)
James M. Karet '58

Michigan
Richard J. Langs '55

Minnesota
Charles McI. Webster

New Hampshire
Harold C. F. Hammerstrom '28

New York (City)
Peter J. Weiller '56
William E. Whitney, Jr. '54

New York (Central)
Robert B. Simonton '54

New York (Northeastern)
V. Earl Nicklas '39

New York (Westchester)
Clifford B. Storms '54

New York (Western)
W. Barry Mallon '44

Ohio (Central)
John W. Edwards '59

Ohio (Northern)
R. G. McCreary, Jr. '40

Ohio (Valley)
Stuart J. Swesson, Jr. '46

Pennsylvania (Western)
Robert L. Monroe '53

Philadelphia
Herbert H. Middleton, Jr. '50
Franklin A. Wurman '53

Rhode Island
C. George Taylor '39

AMHERST COLLEGE

Rochester
Charles P. Northrup '63
James A. Reed, Jr. '52

Rocky Mountain
Frederick K. Conover II '55

St. Louis
Rodney Harris, Jr. '40
William H. Webster '45

Texas (Dallas)
Frederick M. Smith II '56

Texas (Houston)
William C. Liedtke, Jr. '45

The Columbia
Edgar A. Taylor, Jr. '30

Washington, D.C.
William C. Hart '44
A. Lyman Warner, Jr. '58

Washington (State)
George C. Buck '42

Wisconsin
Robert G. Hottensen '40

FOREIGN

France
Archie L. Taylor '49

Great Britain
Donald E. Hardy '16

Japan
Toshihiko Yamaguchi '26

Korea
Pyong Re Min '60

MEMBERS AT LARGE

Stephen W. Grant '30
Howard O. Colgan, Jr. '32
Brainerd Chapman '33
William F. Cordner '40
Miner D. Crary, Jr. '42
Dolph W. Zink '43
Robert K. O'Connor '44
William H. Hall '49
Robert J. McKean, Jr. '50
Walter J. Hunziker, Jr. '51
James B. Lyon '52
Byron T. Foster '53
Seth H. Dubin '54
David M. Mace '60

The Alumni Associations

1970-1971

EASTERN & SOUTHERN ASSOCIATIONS

The Association of Boston. *President:* Peter S. Damon '57, 743 Webster Street, Needham, Massachusetts 02192. *Secretary:* Robert E. Pruyne '56, 19 Priscilla Road, Wellesley Hills, Massachusetts 02181.

The Association of Cape Cod. *President:* Theodore Southworth '19, Off Shattuck Place, Chatham, Massachusetts 02633. *Secretary:* Lloyd W. Miller '19, 1300 Craigville Beach Road, Centerville, Massachusetts 02632.

The Association of Central Massachusetts. *President:* Michael N. Abodeely, Jr. '58, 9 Dubiel Drive, Worcester, Massachusetts 01609. *Secretary:* Robert A. Armstrong '58, 15 Manadnock Road, Worcester, Massachusetts 01605.

The Connecticut Valley Association. *President:* Thomas J. O'Connor, Jr. '47, 42 Oakland Road, Wilbraham, Massachusetts 01095. *Secretary:* Jonathan P. Rice '62, Apartment D-9, 215 Ft. Pleasant Avenue, Springfield, Massachusetts 01108.

The Association of Connecticut. *President:* G. Franklin Smith '50, 17 Sunrise Hill Drive, West Hartford, Connecticut 06107. *Secretary:* James E. Anderson '57, 18 Powder Horn Drive, Simsbury, Connecticut 06070.

The Association of Southern Connecticut. *President:* Robert K. Tisdall '50, 11 Richmond Hill Road, South Norwalk, Connecticut 06854. *Secretary:* Thomas A. Halleran, III '56, 112 Douglas Road, New Canaan, Connecticut 06840.

The Association of Maine. *President:* I. Jack Spiegel '39, 35 Roundabout Lane, Portland, Maine 04102. *Secretary:* David F. Whorf '50, 381 Falmouth Road, Falmouth, Maine 04105.

The Association of New Hampshire. *President:* David G. Underwood, II, M.D. '54, 29 Rumford Street, Concord, New Hampshire 03301. *Secretary:* John F. Swope '60, 173 Mountain Road, Concord, New Hampshire 03301.

The Association of Rhode Island. *President:* Allen H. Howland '42, 60 Crestonway, Warwick, Rhode Island 02886. *Secretary:* John Waterman '51, Hillside Avenue, Rehoboth, Massachusetts 02769.

The Association of New York. *President:* Seth H. Dubin '54, 660 Madison Avenue, New York, New York 10021. *Secretary:* Robert K. Slote '51, J. W. Sparks & Co., 60 Broad Street, New York, New York 10004.

The Association of Westchester. *President:* Robert C. Ransom '41, 22 Gladwin Place, Bronxville, New York 10708. *Secretary:* William W. Collins '53, 47 Grace Church Street, Rye, New York 10580.

The Association of Northeastern New York. *President:* V. Earle Nicklas '39, 24 Lake Street, Cooperstown, New York 13326. *Secretary:* James E. Siggins '52, R.F.D. Box 22, Feura Bush Road, Delmar, New York 12054.

The Association of Central New York. *President:* John S. Ferguson '54, Pompey Center Road, Manlius, New York 13104. *Secretary:* Arnold Poltenson '56, 4882 Briarwood Lane, Manlius, New York 13104.

The Association of Western New York. *President:* Richard L. Gernold '60, 6635 East Quaker, Orchard Park, New York 14127. *Secretary:* James W. Greene '61, 768 Elliot Square Building, Buffalo, New York 14203.

The Association of Rochester. *President:* Robert S. Charles '57, 25 Hardwood Hill Road, Pittsford, New York 14534. *Secretary:* James A. Hawkins '50, 26 Little Spring Run, Fairport, New York 14450.

The Association of Philadelphia. *President:* Jay C. Rippard '59, 235 Sugartown Road, Devon, Pennsylvania 19333. *Secretary:* William A. Medlicott '39, Box 427, Devon, Pennsylvania 19333.

The Association of Western Pennsylvania. *President:* George O. Baker '33, 4901 Frich Drive, Pittsburgh, Pennsylvania 15227. *Secretary:* Robert L. Munroe '53, 613 Berkshire Drive, Pittsburgh, Pennsylvania 15215.

The Association of Washington, D.C. *President:* Charles F. Turgeon '57, 19 Orchard Way, S., Rockville, Maryland 20854. *Secretary:* Michael A. Rizik '46, 1316 Rockland Terrace, McLean, Virginia 22101.

The Association of Baltimore. *President:* David G. Mock '47, 1121 Bellemore Road, Baltimore, Maryland 21210. *Secretary:* Carroll R. Hebbel '64, 8109 Clyde Bank Road, Baltimore, Maryland 21234.

The Association of Georgia. *President:* Robert R. Eckardt '55, 210 Mt. Paran Road, N.W., Atlanta, Georgia 30327. *Secretary:* Lee N. Lindeman '59, 149 Lake Forrest Lane, N.E., Atlanta, Georgia 30305.

The Association of Southern Florida. President: Edward C. Haynes, Jr. '51, 9275 Southwest 81st Street, Miami, Florida 33143. *Secretary:* C. Richard Faunt '39, 10305 S. W. 64th Avenue, Miami, Florida 33156.

The Gulf Coast Alumni Association. *President:* Ward Patton, Jr. '42, 100 Sandy Hook, Sarasota, Florida 33581. *Secretary:* George W. Phillips '52, P.O. Box 18364, Tampa, Florida 33609.

CENTRAL & FAR WESTERN ASSOCIATIONS

The Association of Northern Ohio. *President:* Clyde L. Nash, Jr., M.D. '55, 3008 Warrington Road, Shaker Heights, Ohio 44120. *Secretary:* Alan R. Daus '58, 3123 Warrington Road, Shaker Heights, Ohio 44120.

The Association of Central Ohio. *President:* Sheldon A. Taft '59, 52 East Gay Street, Columbus, Ohio 43215. *Secretary:* William L. Millard '53, 150 East Broad Street, Columbus, Ohio 43215.

The Association of The Ohio Valley. *President:* Stuart J. Swensson '46, 823 Princeton Drive, Terrace Park, Ohio 45174. *Secretary:* Terrence D. Garrigan '50, 1016 Markley Road, Cincinnati, Ohio 45230.

The Association of Indiana. *President:* Gerry C. LaFollette '55, 7016 Warwick Road, Indianapolis, Indiana 46220. *Secretary:* Robert V. Merrell '43, 9540 Township Line Road, Indianapolis, Indiana 46260.

The Association of Michigan. *President:* David L. Roll '62, 3250 Penobscott Building, Detroit, Michigan 48226. *Secretary:* Donald A. Walker, Jr. '65, 1242 Beaconsfield, Grosse Pointe, Michigan 48230.

The Amherst Club of Chicago. *President:* Robert C. Preble, Jr. '44, Preble Associates, 208 S. LaSalle Street, Chicago, Illinois 60604. *Secretary:* James M. Klancnik '64, Wilson-McIlvaine, 120 W. Adams, Chicago, Illinois 60603.

The Association of Wisconsin. *President and Secretary:* Richard D. Foerster '50, WISN-Television, 759 North 19th Street, Milwaukee, Wisconsin 53233.

The Association of St. Louis. *President:* Edward V. Merrell '46, 35 South Rock Hill Road, Webster Groves, Missouri 63119. *Secretary:* Henry H. Stern, Jr. '59, 705 Olive Street, St. Louis, Missouri 63101. *Assistant Secretary:* Charles E. H. Luedde '66, 1600 Boatmen's Bank Building, St. Louis, Missouri 63102.

The Association of Minnesota. *President:* Donald T. Nightingale '57, 1801 Humboldt Avenue, S., Minneapolis, Minnesota 55403. *Secretary:* Lynn G. Truesdell, III '58, 9 Woodland Road, Minneapolis, Minnesota 55424.

The Association of Phoenix. *President:* Robert J. Walton '57, 10622 North 44th Street, Phoenix, Arizona 85028. *Secretary:* William C. Haus '50, Drawer R, Boyless Plaza, Apache Junction, Arizona 85220.

The Association of Tucson. *President:* Linn M. Hazen '33, 1345 Maguire Avenue, Tucson, Arizona 85715. *Secretary:* William H. Creamer '36, P.O. Box 5913, Tucson, Arizona 85703.

The Rocky Mountain Association. *President:* Richard H. Plock '57, Western Federal Savings Building, Denver, Colorado 80202. *Secretary:* Richard A. Drew '61, 1750 South Krameria Way, Denver, Colorado 80222.

The Association of Dallas. *President:* Frederick M. Smith, II '56, 4931 Crooked Lane, Dallas, Texas 75229. *Secretary:* David S. Wolff '62, 7900 Carpenter Freeway, Dallas, Texas 75247.

The Association of Houston. *President:* William C. Liedtke '45, 900 Southwest Tower, Houston, Texas 77002. *Secretary:* Howard Barnstone '44, P.O. Box 1012, Houston, Texas 77001.

The Association of Southern California. *President:* William L. Plunkett '51, 8614 Foothill Boulevard, Sunland, California 91040. *Secretary:* Ian C. Hill '57, 5038 Gould Avenue, LaCanada, California 91011.

The Association of Northern California. *President and Secretary:* David M. Van Hoesen '55, 2 Bel Air Drive, Orinda, California 94563.

The Association of Washington (State). *President:* John D. Olds '51, 1611 S.W. 170th Street, Seattle, Washington 98166. *Secretary:* John T. Edmonds '51, 9335 Mercerwood Drive, Mercer Island, Washington 98040.

The Association of The Columbia. *President:* Donald W. Sutherland, M.D. '53, 2455 N.W. Marshall Street, Portland, Oregon 97210. *Secretary:* Thomas B. Carstensen '55, 3136 S.W. Gale Avenue, Portland, Oregon 97201.

The Association of Hawaii. *President:* Nathaniel R. Potter, Jr. '49, 3710 Tantalus Drive, Honolulu, Hawaii 96822. *Secretary:* Alexander C. Marrack '55, 512 Portlock Road, Honolulu, Hawaii 96821.

FOREIGN ASSOCIATIONS

The Association of France. *President:* Ridley J. Brown '58, White, Weld & Co., 90 Av. Des Champs-Elysees, Paris 8e, France. *Secretary:* Francois N. Steeg '55, 111 bis, rue de Courcelles, Paris 17e, France.

The Association of Great Britain. *President:* Donald E. Hardy '16, 15 Portman Square, London W.1, England. *Secretary:* Thomas H. Lydon '44, 10 Kingston House South, London S.W.7, England.

The Association of Japan. *President:* Toshihiko Yamaguchi '26, 5-7, Higashi-Gotanda 5-chome, Shinagawa-ku, Tokyo, Japan. *Secretary:* Shigeru Okumura '54, 826-11, Terabun, Kamakura-Shi, Kanagawa-Ken, Japan.

The Association of Korea. *President:* Byong Kuk Kim '51, Sogang College, Mapo-ku, Seoul, Korea. *Secretary:* Tae Wi Park '61, #27-4, Sukyo Dong, Mapo-ku, Seoul, Korea.

Index

Administration 28
Admission 41
  Advanced Placement 43, 61
  Application for 41
  As a transfer 44
  Cooperative Engineering Program 44
  Examinations 43
  Interview hours 41
  Recommended preparation 42
  Regents examinations 43
Alumni Associations 253
  Central and far western 255
  Eastern and southern 253
  Foreign 257
Alumni Council 250
  Association representatives 251
  Class representatives 250
  Members at large 252
American Studies 69
Amherst College 35
Amherst curriculum 54
Anthropology 73
Application fee 41, 49
Asian Studies 176
Assistants 21
Associates 21
Astronomy 77
Attendance 45

Bachelor of Arts 54
Bills, payment of 49
Biology 80
Biophysics 85
Black Studies 86
Bond Fifteen 186

Calendar iv
Chemistry 88
Classics 92
College Board tests 43
College calendar v
Colloquia 176
Committees of the Corporation 4
Committees of the Faculty 22
Common Studies 59
Comprehensive fee 49
Computer Center 31
Contents iii
Cooperative Doctor of Philosophy 62
Cooperative Engineering Science
  program 44
Corporation of the College 3
Course descriptions 67
  American Studies 69
  Anthropology 73
  Asian Studies 176
  Astronomy 77
  Biology 80
  Biophysics 85
  Black Studies 86
  Chemistry 88
  Classics 92
  Colloquia 176
  Dramatic Arts 96
  Economics 99
  Education 177
  English 102
  European Studies 110
  Fine Arts 111
  French 115
  Geology 122
  German 126
  Greek 94
  History 129
  History of Science 177
  Interdepartmental Courses 178
  Italian 138
  Latin 95
  Latin American Studies 178
  Legal Studies 179
  Mathematics 139
  Music 143
  Natural Sciences 147
  Philosophy 148
  Physical Education 153
  Physics 153
  Political Science 158

Problems of Inquiry 67
Psychology 163
Religion 166
Russian 169
Slavic Studies 180
Sociology 73
Spanish 172
Course Requirements 55
Curriculum, the Amherst 54

Degree Requirements 54
Bachelor of Arts 54
Conferred 203
Cooperative Doctor of Philosophy 62
Honorary 213
Master of Arts 61
With honors 57
Delinquencies 47
Distribution Requirement 55
Doshisha University 39
Dramatic Arts 96

Economics 99
Education 177
English 102
Enrollment 217
Summary of 246
European Studies 110
Examinations 47
Exchange Students 242
Expenses 49

Faculty 5
Faculty committees 22
Faculty Statement on Intellectual Responsibility 63
Fees 49
Fellows 24
Fellowships 187
Field Study 58
Financial Aid 51
Financial Aid Booklet 53
Fine Arts 111
Five-College Cooperation 38
Five-College Courses 61
Five Colleges, Incorporated 32
Folger Shakespeare Library 38
Officers 39
French 115

Geology 122
German 126
Greek 94
Guarantee deposit 49

Health fee 49
History 129
History of Science 177
Honorary degrees 213
Honors 184
Bond Fifteen 186
Degree with 57
Phi Beta Kappa 184
Sigma Xi 185

Independent Study 58
Inquiry, Problems of 67
Instruction, courses of 67
Intellectual Responsibility 63
Interdepartmental Courses 178
Interdisciplinary Programs 176
Italian 138

Kirby Memorial Theatre 31

Language requirements 56
Latin 95
Latin American Studies 178
Lectureships 183
Legal Studies 179
Loan funds 53
Long Range Planning Committee 32

Mabel Loomis Todd Forest 31
Major Requirement 56
Master of Arts 61
Mathematics 139
Mead Art Building 30
Music 143

Natural Sciences 147

Officers of Administration 28

Payment of bills 49
Phi Beta Kappa 184
Philosophy 148
Physical Education 153
Physics 153
Political Science 158

Pratt Geology Museum 31
Presidents of Amherst 37
Prizes and awards 193
  American Studies 193
  Art 193
  Astronomy 197
  Biology 193
  Chemistry 194
  Citizenship 199
  Dramatics 194
  Economics 194
  English 195
  French 196
  Geology 193
  Greek 196
  Journalism 197
  Latin 197
  Mathematics 197
  Medicine 194
  Music 198
  Philosophy 198
  Physical Education 198
  Physics 197
  Political Science 198
  Public Speaking 199
  Religion 198
  Scholarship 199
Problems of Inquiry 67
Psychology 163

Records and reports 46
Regents examinations 43
Regulations 45
Religion 166
Religious Advisors 31
Requirements for degrees 54
Robert Frost Library 30
Rooms and Board 48
Russian 169

Scholarships 51
Sigma Xi 185
Slavic Studies 180
Society of the Alumni 249
Sociology 73, 75
Spanish 172
Special Programs 176
Special Topics Courses 67
Student activities fee 49
Student conduct 46
Student Health Service 32
Student loan funds 53
Summary of enrollment 246
Summary of expenses 49

Terms and vacations 45
Transfer students 44
Trustees 3
Tuition and fees 49

Vacations vi, 45

Wildlife Sanctuary 31

AMHERST COLLEGE BULLETIN
Amherst College
Amherst, Mass. 01002
Correction Requested

Second Class Postage Paid

Amherst College Bulletin